PRODUCT SPECIFICATION







PRODUCT SPECIFICATION INTRODUCTION

Lafarge plasterboards

The Lafarge range offers a wide choice of plasterboards for varied applications.

Deco system

The **Deco system** is a range of presealed tapered edge plasterboards. The factory coated paper is combined with matching Deco compounds to eliminate the requirement to seal the wallboards. **Predeco** can be substituted for all standard boards.

Megadeco is the performance Deco wallboard combining the properties of Firecheck, dBcheck and Toughcheck wallboard. Hydrodeco can be substituted for Moisturecheck boards.

Toughcheck wallboard is a heavy duty plasterboard for use in active environments such as schools, hospitals and hotels.

dBcheck and MR dBcheck

wallboards are heavy wallboards with improved acoustic performance.

Echeck wallboards are especially designed for use within dwellings as defined by the latest Approved Document E Regulations

Firecheck and MR Firecheck wallboards offer a higher degree of fire resistance than Standard wallboard.

Firecheck Coreboard is used in Lafarge fire protection systems for enclosure of shafts and encasement of structural steel.

Standard wallboards with tapered or square edges are available in a wide range of sizes. Plank is 19mm thick, 600mm wide Standard wallboard used in the construction of high performance partitions and floors. Acoustic Homespan wallboard is for use with the Acoustic Homespan system. 15mm thick 900mm wide.

Square edge baseboard and round edge (lath) form a base for gypsum plastering.

Vapourcheck wallboard has a metallised film bonded to one face, which acts as a vapour control layer and can also give improved thermal performance.

Moisturecheck wallboard is designed for those areas where moisture and humidity resistance are required, including bathrooms and kitchens.

Contour wallboard is a 6mm thick plasterboard designed for use on partitions and ceilings where curved surfaces are required.

Thermalcheck board is a range of plasterboard thermal laminates comprising plasterboard bonded to different types of insulation to suit a variety of thermal requirements.

Summary of suitable applications for Lafarge wallboards

| | / | ⁵ oar | odille | allbo | | | | | | | epog | lboal | | lespa | 4ome | | * | boarc |
|------------------------------|------|------------------|----------|-------|------|------------------|-----------------|-------|----------|-----------------------|-------------------|-------|------|-------|-------|-------|-------|-------------|
| | | Wall | ç, ř | S. | ect | | ^{Jeck} | | × / ; | heck | | IPM , | | Hon | stic, | heck | schec | Illen, |
| | dera | o'' | tron, de | Bher | heck | dR _{c1} | ect 1 | cho | Fire | chec. | ⁿ dar. | * | Usti | Aco, | 0 | istin | tour | 'rmai |
| | Pre | Me | Ţ | 701 | dB | MR | Ech | Fire | MR | Fire | Sta | Pla | Acc | MR | Lak | Mo | Ő | The |
| BS 1230: 1985 Type | 1 | 5 | 3,4 | 5 | 1 | 3,4 | 1 | 5 | 3,4,5 | 3,4,5 | 1 | 1 | 1 | 3,4 | 1 | 3,4 | 1 | - |
| BS EN 520 | А | F,D,I | D,H, | F,D,I | D,I | D,H,,I | D | D,F,I | D,F,H,,I | D,F,H ₁ ,I | А | А | D | D,H, | - | Н, | А | - |
| Linings | | | | | | | | | | | | | | | | | | |
| Direct Bond | ~ | ~ | | | ~ | | ~ | ~ | | | ~ | ✓* | ✓* | | | | | * ** |
| Contour Linings | | | | | | | | | | | ~ | | | | | | ~ | |
| Cormet Dryliner | ~ | ~ | V | × . | × . | × . | ~ | ~ | ~ | | ~ | | | | ~ | × . | ~ | ~ |
| Independent Wall Lining | ~ | ~ | V | × . | × . | × . | ~ | ~ | ~ | | ~ | | | | ~ | × . | ~ | ~ |
| Linings to Timber frame | ~ | ~ | ~ | × . | ~ | ~ | ~ | ~ | | | ~ | | | | ~ | × . | ~ | × . |
| Partitions | | | | | | | | | | | | | | | | | | |
| Homespan | | | | | | | | | | | | | ~ | × . | | | | |
| Timber Stud Partitions | ~ | ~ | ~ | × . | ~ | ~ | ~ | ~ | ~ | | ~ | × . | | | | × . | ~ | |
| Metal Stud Partitions | ~ | ~ | V | ×. | ~ | × . | ~ | ~ | ~ | | ~ | ~ | | | | × . | ~ | |
| Curved Metal Stud Partitions | ~ | ~ | ~ | | ~ | × . | ~ | ~ | | | ~ | | ~ | | ~ | | ~ | |
| Metal Stud High Performance | ~ | ~ | ~ | | ~ | ~ | ~ | ~ | × . | × . | ~ | × . | | | ~ | × . | | |
| Floors and Ceilings | | | | | | | | | | | | | | | | | | |
| Timber Frame | ~ | ~ | ~ | | ~ | × . | ~ | ~ | ~ | | ~ | ~ | | | ~ | × . | | ~ |
| Cormet Acoustic Floor | | ~ | | | ~ | ~ | | ~ | × . | | | | | | | | | |
| Cormet Dryliner | ~ | ~ | V | | | | ~ | ~ | ~ | | ~ | | | | ~ | × . | | |
| Cormet Suspended Ceilings | ~ | ~ | ~ | | × . | × . | ~ | ~ | × . | | ~ | × . | | | ~ | × . | ~ | |
| Fire Protection | | | | | | | | | | | | | | | | | | |
| Cormet Shaftwall | ~ | ~ | | × . | | | | ~ | × . | | | | | | | | | |
| Cormet Encasements | | ~ | | 1 | | | | 1 | 1 | 1 | | | | | | | | |

* Not a typical application

** Lafarge Multi Purpose Adhesive should be used in place of bonding compound as the adhesive

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Range of board sizes

| Thickness | Width (mm) | Length (mm) | Prede | Meas | Hydr | Toucies wallboard | all check and | MR | Echert | Firech | MR E: | Firecheck | Standa | Plank Wallboard | Baseh | MR Bard | Lath, | Acouce: | MR A Homespan | Vapous | Moist. | Conton. | Thermal board | "check (all types) |
|-----------|---------------|----------------|-------|------|------|-------------------|---------------|----|--------|--------|-------|-----------|--------|-----------------|-------|---------|-------|---------|---------------|--------|--------|---------|---------------|--------------------|
| 6.0 | 1200 | 2400 | | | | | | | | | | | | | | | | | | | | Т | | |
| 9.5 | 600 | 1200 | | | | | | | | | | | | | | | R | | | | | | | |
| | 600 | 1220 | | | | | | | | | | | | | | | R | | | | | | | |
| | 900 | 1220 | | | | | | | | | | | | | S | S | | | | | | | | |
| | 900 | 1800 | | | | | | | | тs | | | тs | | | | | | | тs | | | | |
| | 900 | 2400 | | | | | | | | | | | тs | | | | | | | | | | | |
| | 1200 | 2400 | т | | | | | | | | | | тs | | | | | | | тs | | | | |
| | 1200 | 2700 | | | | | | | | | | | тs | | | | | | | | | | | |
| | 1200 | 3000 | | | | | | | | | | | тs | | | | | | | | | | | |
| 12.5 | 600 | 1200 | | | | | | | | | | | | | | | R | | | | | | | |
| | 600 | 1220 | | | | | | | | | | | | | | | R | | | | | | | |
| | 900 | 1800 | | | | | | | | тs | | | тs | | | | | | | тs | | | | |
| | 900 | 2400 | | | | | | | | | | | тs | | | | | | | | | | | |
| | 1200 | 1800 | | | | | | | | | | | s | | | | | | | | | | | |
| | 1200 | 2350 | | | | | | | | | | | т | | | | | | | | | | | |
| | 1200 | 2400 | т | т | | т | т | Т | т | тs | | | тs | | | | | | | тs | т | | т | |
| | 1200 | 2500 | | | т | | | | | | | | т | | | | | | | | | | | |
| | 1200 | 2700 | | т | | | т | | т | т | | | тs | | | | | | | тs | т | | | |
| | 1200 | 3000 | т | т | | т | т | | | т | Т | | тs | | | | | | | тs | т | | | |
| | 1200 | 3600 | | | | | | | | т | | | т | | | | | | | | | | | |
| 15.0 | 900 | 1800 | | | | | | | | | | | т | | | | | тs | | | | | | |
| | 900 | 2400 | | | | | | | | | | | т | | | | | тs | т | т | | | | |
| | 900 | 2700 | | | | | | | | | | | т | | | | | т | | | | | | |
| | 1200 | 1800* | т | | | | | | | | | | | | | | | | | | | | | |
| | 1200 | 2400 | т | т | | | т | | | Т | | | тs | | | | | | | т | Т | | | |
| | 1200 | 2700 | | т | | | т | | | т | | | т | | | | | | | | | | | |
| | 1200 | 3000 | т | т | | | т | | | Т | Т | | т | | | | | | | | | | | |
| 19.0 | 600 | 2400 | | | | | | | | | | | | тs | | | | | | | | | | |
| | 600 | 2700 | | | | | | | | | | | | S | | | | | | | | | | |
| | 600 | 3000 | | | | | | | | | | | | S | | | | | | | | | | |
| 25.0 | 600 | 3000 | | | | | | | | | | S | | | | | | | | | | | | |

* Predeco only

Range of Fresco board sizes



- Key:
- T Tapered edge
- S Square edge
- R Round edge

Lafarge Deco Plasterboard System

The Lafarge Deco system uses a presealed paper board liner with a unique purpose-designed coating combined with colour matched joint cements so that, once constructed, linings and partitions have a consistent white appearance ready for final decoration. Use of Deco, therefore, eliminates the requirement for separate sealing of the wallboard

Predeco wallboard

Lafarge Predeco wallboard has one decorative white face with tapered edges and a grey faced back liner.

Principal applications

Lafarge Predeco wallboard is suitable for installation with stud partitions, lining systems and ceilings.

Authority

Lafarge Predeco wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1 and BS EN 520: 2004 Type A.

Weights

| Board weights are: | |
|--------------------|-----------------------------|
| 9.5mm thickness | 6 to 7 kg/m² |
| 12.5mm thickness | 8 to 9 kg/m ² |
| 15mm thickness | 9.8 to 11 kg/m ² |

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal insulation

Thermal conductivity (λ) is 0.18 W/mK.

| Thermal resistance | (R) values are: |
|--------------------|-----------------|
| 9.5mm thickness | 0.052 m²K/W |
| 12.5mm thickness | 0.069 m²K/W |
| 15mm thickness | 0.083 m²K/W |

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Finishing

The white face is pre-sealed and suitable for direct decoration, after seamless taping and jointing with Lafarge Deco jointing compounds only.

The Deco system is not suitable for skim plaster finish.

Paint application – Matt finish paints are likely to produce a superior finish.

Note: Specialist gloss, eggshell and silk finishes will highlight irregularities in the surface finish. To reduce this risk, apply a coat of Lafarge Universal Sealer before applying finish. on-site, effectively saving one complete operation, whilst maintaining high quality standards.

The Deco system comprises of a range of three boards:

Predeco can be substituted for all standard wallboard applications

Megadeco wallboard

Lafarge Megadeco wallboard has one decorative white face with tapered edges and a grey faced back liner.

Principal applications

Lafarge Megadeco wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior acoustic, fire and impact performance.

Authority

Lafarge Megadeco wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 5 and BS EN 520: 2004 Type F, D, I.

Weights

Board weights are:

12.5mm thickness 11 kg/m² 15mm thickness 12.5 to 13.1 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal insulation

Thermal conductivity (λ) of Lafarge Megadeco wallboard is 0.25 W/mK. Thermal resistance (R) values are:

12.5mm thickness 0.05 m²K/W

15mm thickness 0.06 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables else where in this publication for quoted acoustic performance.

Breaking strength of board

| Minimum breakin | g for 15mm thickness. |
|-----------------|-----------------------|
| Transverse | 445 N |
| Longitudinal | 895 N |

Finishing

The white face is pre-sealed and suitable for direct decoration, after seamless taping and jointing with Lafarge Deco jointing compounds only.

The Deco system is not suitable for skim plaster finish.

Paint application – Matt finish paints are likely to produce a superior finish.

Note: Specialist gloss, eggshell and silk finishes will highlight irregularities in the surface finish. To reduce this risk, apply a coat of Lafarge Universal Sealer before applying finish. **Megadeco** is the performance Deco wallboard combining the properties of Firecheck, dBcheck and Toughcheck

Hydrodeco can be substituted for Moisturecheck wallboard applications

The Deco system is not suitable for plaster skim finish.

Hydrodeco wallboard

Lafarge Hydrodeco wallboard has one decorative white face with tapered edges and a green faced back liner.

Principal applications

Lafarge Hydrodeco wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior moisture resistance such as bathrooms.

Authority

Lafarge Hydrodeco wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Types 3 and 4 and BS EN 520: 2004 Type D,H,. Weight

Board weight is:

12.5mm thickness 10.5 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.24 W/mK.

Thermal resistance (R) values are:

12.5mm thickness 0.052 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Finishing

The white face is pre-sealed and suitable for direct decoration, after seamless taping and jointing with Lafarge Deco jointing compounds only.

The Deco system is not suitable for skim plaster finish.

Paint application – Matt finish paints are likely to produce a superior finish.

Note: Specialist gloss, eggshell and silk finishes will highlight irregularities in the surface finish. To reduce this risk, apply a coat of Lafarge Universal Sealer before applying finish.



Lafarge Performance Boards

Lafarge plasterboards are high-quality gypsum wallboards suitable for the construction of metal and timber stud partitions as well as ceilings, direct bond and structural steel framing. They consist of a gypsum plaster core bonded between two strong liner papers.

The purity of the gypsum core contributes to the performance of the plasterboards, such as high strength, light weight, rigidity and workability.

Toughcheck wallboard

Lafarge Toughcheck wallboard has one decorative mustard face with tapered edges and a mustard faced back liner.

Principal applications

Lafarge Toughcheck wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior acoustic, fire and impact performance.

Authority

Lafarge Toughcheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 5 and BS EN 520: 2004 Types F, D and I.

Weight

Board weight is: 12.5mm thickness

s 12 to 13 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse B. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.25 W/mK.

Thermal resistance (R) values are:

12.5mm thickness 0.05 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Breaking strength of board

Minimum breaking for 12.5mm thickness:

| Iransverse | 400 N |
|--------------|--------|
| Longitudinal | 1010 N |

Finishing

The mustard face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2. The standard wallboards thus perform well over a range of environmental conditions. Excellent handling characteristics also ease installation onsite, reducing the number of damaged boards and wastage.

The high strength, quality liner papers are manufactured from recycled waste paper and coloured to aid identification.

Adjusting the core composition of these wallboards produces a range of

dBcheck wallboard

Lafarge dBcheck wallboard has one decorative blue face with tapered edges and a grey faced back liner.

Lafarge Moisture Resistant dBcheck has

one decorative blue face with tapered edges and a green faced back linerplease note this is manufactured to

special order only. Principal applications

Lafarge dBcheck wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior acoustic performance.

Authority

Lafarge dBcheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1 and BS EN 520: 2004 Types D and I.

Lafarge Moisture Resistant dBcheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard types 3 and 4and BS EN 520: 2004 Types D, H, and I.

Weights

Board weights are:

- 12.5mm thickness 10.2 to 10.7 kg/m²
- 15mm thickness 12.5 to 13.1 kg/m².

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.25 W/mK. Thermal resistance (R) values are:

12.5mm thickness 0.050 m²K/W

15mm thickness 0.060 m²K/W.

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Breaking strength of board

| N | linimum | breaking | for | the | following | thicknes |
|---|---------|----------|-----|------|-----------|----------|
| | | - | 1 | 2.51 | nm - | 15mm |

| 265 N | 355 N |
|-------|-------|
| 550 N | 685 N |

Longitudinal **Finishing**

Transverse

The blue face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

A surface treatment of PVA and water should be applied prior to an application of plaster to Moisture Resistant dBcheck. Please refer to the PVA manufacturer for guidance. Performance Boards that retain all the benefits of the Standard wallboards but with enhanced qualities designed to meet the performance requirements of specific applications.

This section provides an insight into the extra performance achieved through the substitution of Standard wallboard with Lafarge Performance Boards.

Echeck wallboard

Lafarge Echeck wallboard has one decorative light blue face with tapered edges and a grey faced back liner.

Principal applications

Lafarge Echeck wallboard is suitable for installation with stud partitions, lining systems and ceilings especially designed for use within dwellings as defined by the latest Approved Document E regulations.

Authority

Lafarge Echeck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1 and BS EN 520: 2004 Type D.

Weight

Board weight is:

12.5mm thickness not less than 10 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.21 W/mK.

Thermal resistance (R) values are:12.5mm thickness0.06 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Breaking strength of board

Minimum breaking for 12.5mm thickness:

| Transverse | 265 N | |
|-------------|-------|--|
| ongitudinal | 620 N | |

Finishing

The light blue face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Firecheck wallboard

Lafarge Firecheck wallboard has one decorative pink face with tapered edges and a grey faced back liner.

Principal applications

Lafarge Firecheck wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior fire performance.

Authority

Lafarge Firecheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 5 and BS EN 520: 2004 Types D, F and I.

Weights

Board weights are:

12.5mm thickness 10.0 to 10.4 kg/m²

12.0 to 12.8 kg/m².

15mm thickness

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meets Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

| Thermal conductivity (λ) is 0.25 W/mK. | |
|--|--|
| Thermal resistance (R) values are: | |

| 12.5mm thickness | 0.050 m²K/W |
|------------------|--------------------------|
| 15mm thickness | 0.060 m ² K/W |

| Sound | inci | Ilation | |
|-------|------|---------|--|

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Breaking strength of board

| Minimum breaking | for the follow | wing thickness: |
|------------------|----------------|-----------------|
| | 12.5mm | - 15mm |
| Transverse | 300 N | 390 N |
| Longitudinal | 625 N | 655 N |
| Finishin a | | |

Finishing

The pink face is suitable for seamless taping and jointing with, Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Moisture Resistant Firecheck

Lafarge Moisture Resistant Firecheck wallboard has one decorative pink face with tapered edges and a green faced back liner.

Principal applications

Lafarge Moisture Resistant Firecheck wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior fire and moisture resistance.

Authority

Lafarge Moisture Resistant Firecheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Types 3, 4 and 5 and BS EN 520: 2004 Types D, F, H, and I.

Weights

Board weights are:

| 2.5mm thickness | 10.0 to 10.4 kg/m ² |
|-----------------|----------------------------------|
| 5mm thicknoss | 12.0 to 12.8 kg/m ² |

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.25 W/mK.

Thermal resistance (R) values are:

12.5mm thickness 0.052 m²K/W

15mm thickness 0.063 m²K/W.

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Breaking strength of board

| Minimum breaking | for | 15mm | thickness. |
|------------------|-----|------|------------|
| Transverse | 40 | 0 N | |
| Longitudinal | 73 | O N | |

Finishing

The pink face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

A surface treatment of PVA and water should be applied prior to an application of plaster to Moisture Resistant Firecheck, please refer to the PVA manufacturer for guidance.

Firecheck Coreboard

Lafarge Firecheck Coreboard has green paper liners, with square edges.

Principal applications

Lafarge Firecheck Coreboard is a high strength plasterboard for use in the Lafarge Shaftwall and Column and Beam system for steelwork fire encasement.

Authority

Lafarge Firecheck Coreboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Types 3, 4 and 5 and BS EN 520: 2004 Types D, F, H, and I.

Weight

Board weight is:

25mm thickness 21.3 to 21.7 kg/m²

Fire protection

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.24 W/mK.

Thermal resistance (R) value is:

25mm thickness 0.104 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Standard wallboard

Lafarge Standard wallboard has one decorative ivory face available with either tapered edge or square edge profile and a grey faced back liner.

Principal applications

Lafarge Standard wallboard is suitable for installation with stud partitions, lining systems and ceilings.

Authority

Lafarge Standard wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1 and BS EN 520: 2004 Type A.

Weights

Board weights are:

| 9.5mm thickness | 6.0 to 7.0 kg/m ² |
|------------------|-------------------------------|
| 12.5mm thickness | 8.0 to 8.7 kg/m ² |
| 15mm thickness | 9.8 to 11.0 kg/m ² |

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (\,) is 0.18 W/mK.

| Thermal resistance | (R) values are: |
|--------------------|-----------------|
| 9.5mm thickness | 0.052 m²K/W |
| 12.5mm thickness | 0.069 m²K/W |

15mm thickness 0.083 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Finishing

The ivory face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Lafarge Plank

Lafarge Plank has one ivory face available with either tapered edge or square edge profile and a grey faced back liner.

Principal applications

Lafarge Plank is suitable for the drylining of walls, acoustic floors and ceilings and for the construction of stud partitions.

Authority

Lafarge Standard wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1 and BS EN 520: 2004 Type A.

Weights

Board weights are:

19mm thickness 13.6 to 14.0 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.18 W/mK.

Thermal resistance (R) values are: 19mm thickness 0.106 m²K/W

Sound insulation

Lafarge Plank has shown, through independent testing, to offer an exceptional degree of sound insulation. The sound insulation will vary with the application and number of layers used. Refer to the performance tables elsewhere in this

publication for quoted acoustic performance. **Finishing**

The ivory face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Lafarge Baseboard

Lafarge Baseboard is a square edged gypsum wallboard with grey faces both sides. The Vapourcheck Baseboard has a metallised polyester film on one face.

Principal applications

Lafarge Baseboard is suitable as a lining on ceilings requiring skim plastering.

Authority

Lafarge baseboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 6 and BS EN 520: 2004 Type P.

Weights

Board weights are:

9.5mm thickness 6.3 to 7.0 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.18 W/mK.

Thermal resistance (R) values are:

9.5mm thickness 0.053 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Finishing

The grey faces are suitable for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.







Lafarge Lath

Lafarge Lath is a round edge gypsum wallboard with grey faces both sides.

Principal applications

Lafarge Lath is suitable as a lining board on ceilings requiring skim plastering.

Authority

Lafarge Standard wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 6 and BS EN 520: 2004 Type P.

Weights

Board weights are:

9.5mm thickness 6.3 to 7.0 kg/m²

12.5mm thickness 8.4 to 9.3 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.18 W/mK.

Thermal resistance (R) values are:

 9.5mm thickness
 0.059 m²K/W

 12.5mm thickness
 0.078 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Finishing

The grey faces are suitable for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Acoustic Homespan

Acoustic Homespan has one decorative ivory face available with tapered edge and a grey faced back liner.

Principal applications

Lafarge Acoustic Homespan is suitable for the construction of Acoustic Homespan partitions.

Authority

Lafarge Acoustic Homespan wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1 and BS EN 520: 2004 Type D.

Lafarge Moisturecheck Acoustic Homespan wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 3 and 4 and BS EN 520: 2004 Type D and H,.

Weights

Board weights are:

15mm thickness 12.5 to 12.9 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meets Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.25 W/mK. Thermal resistance (R) value is:

15mm thickness 0.060 m²K/W

Sound insulation

Cormet Acoustic Homespan Studs and Acoustic Homespan wallboard have been shown through testing to be capable of providing a sound insulation of 40 R_wdB, in accordance with BS EN ISO 717-1: 1997.

Breaking strength of board

Minimum breaking for 15mm thickness:

| Transverse | 280 N |
|--------------|-------|
| Longitudinal | 630 N |

Finishing

The ivory face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Vapourcheck wallboard

Lafarge Vapourcheck wallboard has one decorative ivory face available with either tapered edge or square edge profile and a silver metallised polyester back liner.

Principal applications

Lafarge Vapourcheck wallboard is suitable for installation with stud partitions, lining systems and ceilings.

Authority

Lafarge Vapourcheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1.

Weights

Board weights are:

| 9.5mm thickness | 6.0 to 7.0 kg/m ² |
|------------------|------------------------------|
| 12.5mm thickness | 8.0 to 8.7 kg/m ² |

| 15mm | thickness | 9.8 te | o 1 | 1.0 | kg/m |
|------|-----------|--------|-----|-----|------|
| | | | | | |

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.18 W/mK.

Thermal resistance (R) values, including thermal resistance of both Vapourcheck board and a 25mm cavity- when the metallised film is facing an empty cavity.

9.5mm thickness0.40 m²K/W12.5mm thickness0.41 m²K/W

15mm thickness 0.43 m²K/W

Water vapour resistance

The water vapour resistance of Lafarge Vapourcheck wallboard exceeds 100 MNs/g when tested in accordance with BS EN ISO 12572: 2001.

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Finishing

The ivory face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Moisturecheck wallboard

Lafarge Moisturecheck wallboard has one decorative green face with tapered edges and a green faced back liner.

Principal applications

Lafarge Moisturecheck wallboard is suitable for installation with stud partitions, lining systems and ceilings that require superior moisture resistance.

Authority

Lafarge Moisturecheck wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Types 3 and 4 and BS EN 520: 2004 Type H₁.

Weights

Board weights are:

12.5mm thickness 8.0 to 8.7 kg/m²

15mm thickness 9.8 to 11.0 kg/m²

Fire properties

Lafarge wallboards are defined as Class O in accordance with the National Building Regulations 1991 and meet Euroclasse A2. Refer to the performance tables elsewhere in this publication for quoted fire resistance periods.

Thermal properties

Thermal conductivity (λ) is 0.24 W/mk.Thermal resistance (R) values are:12.5mm thickness0.052 m²K/W

15mm thickness 0.062 m²K/W

Sound insulation

Lafarge wallboards have shown, through independent testing, to offer excellent levels of sound reduction when compared to traditional products. Refer to the performance tables elsewhere in this publication for quoted acoustic performance.

Breaking strength of board

Minimum breaking for 12.5mm thickness:

| Transverse | 245 N |
|--------------|-------|
| Longitudinal | 565 N |

Finishing

The green face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

A surface treatment of PVA and water should be applied prior to an application of plaster to Moisturecheck wallboard. Please refer to the PVA manufacturer for guidance.

Contour wallboard

Lafarge Contour wallboard is a lightweight, high strength 6mm thick plasterboard consisting of a glass mineral wool reinforced plater core bonded between two strong liner papers. It has one ivory face with tapered edges, suitable for direct decoration or gypsum skim coat plastering.

Principal applications

Lafarge Contour wallboard enables curved features in wall linings, partitions and ceilings to be created simply. It allows tight radius curves to be achieved on-site with speed, economy and ease without the expense of custom made components.

Lafarge Contour wallboard is also ideal for relining backgrounds which are in sound condition, providing a very slim, cost-effective surface for direct decoration.

Weights

Board weights are: 6mm thickness 5.5 to 6.0 kg/m²

Fire properties

Two layers of Lafarge Contour wallboard have fire resistance properties at least equivalent to one layer of 12.5mm lafarge Standard wallboard. Lafarge Contour wallboard has been shown through testing to be capable of providing an excellent degree of fire resistance, depending on application.

Sound insulation

Two layers of Lafarge Contour wallboard have sound resistance properties at least equivalent to one layer of 12.5mm Lafarge Standard wallboard.

Finishing

The ivory face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Fresco

Lafarge Fresco consists of a gypsum plaster core with glass fibres and fillers. It has one decorative face with the embossing on the surface which is coloured pink, emphasising the Firecheck properties. The face is suitable for direct decoration. It is available with a recessed edge for taping and jointing.

Principal applications

Lafarge Fresco creates a panelled effect on internal wall and ceiling linings, partitions and even shaftwall linings.

Authority

Lafarge Fresco complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 5.

Weights

Board weights are: 12.0 to 12.8 kg/m².

Fire properties

Fresco is made using 15mm Firecheck Wallboard but due to the embossing process carries only the same fire performance as a 12.5mm Firecheck Wallboard and meets Euroclasse A2.

Thermal properties

Thermal conductivity (λ) is 0.25 W/mK. Thermal resistance (R) value is 0.063 m²K/W.

Sound insulation

Lafarge Fresco wallboard has improved sound resisting properties over Lafarge Wallboard.

Finishing

The pink face is suitable for seamless taping and jointing with, Lafarge jointing compounds.

Thermalcheck boards

A plasterboard thermal laminate comprising 9.5mm plasterboard bonded to insulation.

Principal applications

Lafarge Thermalcheck can be used as a drylining to external masonry walls or to upgrade existing constructions, loft spaces, ceilings or renovations.

Authority

Lafarge Standard wallboard complies with BS 1230: Part 1: 1985 for gypsum wallboard Type 1.

Polystyrene complies with the requirements of BS 3837: Part 1 and 2 'Specification for boards manufactured from expanded/extruded polystyrene incorporating

a flame retardant additive'.

Weights

See tables on right for weights.

Fire properties

Lafarge Thermalcheck wallboard has been shown through testing to be capable of providing an excellent degree of fire resistance, depending on the application. Thermalcheck wallboards are designated Euroclasse B.

Thermal properties

Thermal conductivity (λ) values are:

- Lafarge wallboard 0.18 W/mK
- Expanded polystyrene 0.038 W/mK Extruded polystyrene 0.030 W/mK

Phenolic foam 0.023-0.024 W/mK

See tables on right for thermal resistance of individual boards.

Finishing

The ivory face is suitable for seamless taping and jointing with Lafarge jointing compounds, or for the application of gypsum plasters manufactured to BS 1191: Part 1: 1973 Class B, Type b1 and b2.

Thermalcheck

A plasterboard thermal laminate comprising 9.5mm plasterboard bonded to expanded polystyrene.

| | | | _ | |
|-----------|---------------------------------|------------------------------------|-------------------|--|
| Thickness | R value (m ² K/W) | Water vapour resistance (MNs/g) | Weight (kg/m²) | |
| 22.0 | 0.36 | 2.31 | 6.3 | |
| 30.0 | 0.57 | 3.47 | 6.4 | |
| 40.0 | 0.84 | 4.92 | 6.5 | |
| 50.0 | 1.10 | 6.37 | 6.6 | |

Note: A Vapourcheck layer can be specified with water vapour resistance of 100 MNs/g.

Thermalcheck XP

A plasterboard thermal laminate comprising 9.5mm plasterboard bonded to extruded polystyrene.

Thermal and vapour resistance and weight

| Thickness | R value (m ² K/W) | Water vapour resistance (MNs/g) | Weight (kg/m²) |
|-----------|---------------------------------|------------------------------------|-------------------|
| 27.0 | 0.61 | 9.07 | 6.7 |
| 35.0 | 0.88 | 13.07 | 6.9 |
| 46.0 | 1.25 | 18.57 | 7.2 |
| 55.0 | 1.55 | 23.07 | 7.4 |

Thermalcheck K

A plasterboard thermal laminate comprising 9.5mm ivory faced plasterboard bonded to Phenolic foam. A vapourcheck barrier is provided as standard.

Thermal and vapour resistance and weight

| Thickness | R value (m ² K/W) | Water vapour resistance (MNs/g) | Weight (kg/m²) |
|-----------|---------------------------------|------------------------------------|-------------------|
| 30.0 | 0.88 | 114.0 | 7.2 |
| 40.0 | 1.35 | 114.0 | 7.7 |
| 50.0 | 1.79 | 114.0 | 8.2 |
| 60.0 | 2.32 | 114.0 | 8.7 |

Thermalcheck Sheathing

Lafarge Thermalcheck Sheathing is a plasterboard thermal laminate comprising 12.5mm Lafarge Moisturecheck Wallboard bonded to extruded polystyrene.

It is for use in framed constructions.

Thermal and vapour resistance and weight

| Thickness | R value (m ² K/W) | Water vapour resistance (MNs/g) | Weight (kg/m²) | |
|-----------|---------------------------------|------------------------------------|-------------------|--|
| 25.0 | 0.46 | 5.75 | 9.8 | |

8

Fixing to Lafarge wallboards

Drywall constructions can accommodate most fixtures providing the appropriate fixings or fixing provisions are used.

Where the locations of fixtures are known before the construction is commenced, fixing provisions can be designed and installed into the construction.

Alternatively, fixtures can be attached directly to the finished dry linings using the recommended fixings given in table 3.23.

For the medium and heavyweight fixings in table 3.23 it is very important that the plasterboard is carefully and accurately drilled and that all fixings are installed as per the manufacturer's instructions. Holes should never be punched. On the bigger fixtures, it is necessary to use a minimum of four fixings.

Table 3.23 Fixtures

| Fixture load | Examples | Fixing provisions* | Notes |
|--------------|----------------------------|-------------------------------|--------------------|
| Very light | Small pictures | Picture hooks | |
| | | Wood screws | |
| Light | Mirrors | Spit Driva LD | See manufacturer's |
| | Floor cupboards | Spit Driva original | literature for |
| | Light fittings | Spit Diva Plus | Maximum loadings |
| | Coat hooks | Fixing channel | |
| Medium | Radiators | Spit Spring Toggle | See manufacturer's |
| | Wall cupboards | Spit Hollow Anchor | literature for |
| | Water heaters | Spit Satelis | Maximum loadings |
| | Sanitary ware | Fixing Channel | |
| | | Timber battens | |
| | | Boxed studs | |
| | | Extra studs | |
| Heavy | Wall mounted sanitary ware | See diagrams on opposite page | |
| | Large wall cupboards | | |
| | Heavy shelving | | |

* See manufacturer's literature for maximum loadings



Spit Driva LD



Spit Driva Original



Spit Driva Plus



<u>(</u>)

Spit Spring Toggle

Spit Hollow Wall Anchor

For medium weight items

Cormet Fixing Channel or FS90/W Cormet Flat Strap secured to studs with Lafarge Wafer Head Screws

For heavy weight items

Plywood patress

Horizontal nogging and central stud of sawn softwood to suit size of **Cormet** metal studs and notched into them and fixed through ends

Timber support

Plywood support

PRODUCT SPECIFICATION LAFARGE WALLBOARDS **Tips on installation**

Board fixing

For fixing to timber, use nails or screws as specified in tables 8.4 or 8.5. For fixing to metal, use screws as specified in table 8.4.

Lafarge Drywall Screws

Bugle head screws for fixing plasterboard to metal or timber studs. Lafarge Drywall Screws have a unique head design to eliminate paper burrs and provide a flush finish. Extra-sharp points and highgrip threads result in fast penetration through the plasterboard and stud. The screws are black phosphate coated and lightly oiled for protection against corrosion.

Lafarge Drywall High Thread Screws are used for attaching plasterboard to timber framework.

Lafarge Drywall Self Tapping Screws are for light gauge metal up to 0.7mm thick.

Lafarge Drywall Self Drilling Screws are for heavy gauge metal from 0.7mm to approximately 2.0mm thick.

Installation

Drive Screws:

- at least 10mm in from paperbound edges of plasterboard
- at least 13mm in from cut edges of plasterboard
- at least 6mm in from edges of timber framing
- at least 3mm in from the edges of metal framing.

Screw spacing: Partitions, maximum 300mm. Ceilings, maximum 230mm in the field of the plasterboard, 150mm at cut edges and perimeter. Linings, maximum 300mm.

Table 8.4 Recommended screw lengths*

| Construction | Plasterboard | Screw |
|----------------|----------------|-------------|
| | thickness (mm) | length (mm) |
| Timber framing | 6 | 32 |
| Single layer | 12.5 | 38 |
| | 15.0 | 38 |
| | 19.0 | 41 |
| Timber framing | 6 + 6 | 38 |
| Double layer | 12.5 + 12.5 | 51 |
| | 12.5 + 19.0 | 63 |
| | 15.0 + 15.0 | 63 |
| Metal framing | 6 | 25 |
| Single layer | 12.5 | 25 |
| | 15.0 | 32 |
| | 19.0 | 38 |
| | 25.0 | 41 |
| Metal framing | 6 + 6 | 25 |
| | 12.5 + 12.5 | 38 |
| | 15.0 + 15.0 | 44 |
| | 12.5 + 19.0 | 51 |
| | 25.0 + 12.5 | 57 |
| | 25.0 + 25.0 | 63 |

* Except for fixing to Cormet metal furring wall channels and Resilient Bar. See table 4.16 on page 184

Drive screws squarely through board and into framing until screw head is just recessed. Spot screw heads with Lafarge jointing compound to provide a flush surface.

Lafarge Pan Head Screws and Lafarge Wafer Head Screws are used primarily for fixing Cormet metal studs and other Cormet metal framing components together: selftapping for light gauge metal and self-drilling for heavy gauge metal.

Lafarge Toughcheck Screws are used for fixing Lafarge Toughcheck wallboard.

Lafarge Checkpoint Screws are used for fixing Lafarge Moisturecheck, dBcheck and Firecheck wallboards to light gauge Cormet metal studs.

Lafarge Drywall Nails

Zinc-coated ring shanked Drywall Nails with a thin wide head for maximum board holding without paper breakage. The long, sharp diamond point ensures ease of fixing. Complies with BS 8212: 1995 for fixing plasterboard to timber.

Installation

Drive nails:

- at least 10mm in from paperbound edges of plasterboard
- at least 13mm in from cut edges of plasterboard
- at least 6mm in from edges of timber framing.

Nail spacing: maximum 150mm (all systems).

Drive nails squarely through plasterboard and into timber framing using a dimple head drywall hammer until the nail head is just recessed. Spot nail heads with Lafarge jointing compound to provide a flush surface.

Table 8.5 Recommended nail lengths for timber framing

| - | | - |
|--------------|------------------------------------|---------------------|
| Construction | Plasterboard thickness (mm) | Nail Length (mm) |
| Single layer | 12.5 | 40 |
| | 15.0 | 40 |
| | 19.0 | 50 |
| Double layer | 12.5 + 12.5 | 50 |
| | 19.0 12.5 + 12.5 12.5 + 19.0 | 65 |
| | 15.0 + 15.0 | 65 |

Fixing position at bound edges of boards

Fixing positions at bound edge/cut edge joint

Minimum 3mm from 3 13 13 3 edge of Up to 3mm Minimum 13mm gap between from edge of plasterboards wallboard

Fixing positions at cut edges of boards

metal

frame

Tiling onto Lafarge Wallboard

Tiling is suitable for a wide range of applications with varying conditions, ranging from domestic splashbacks to shower cubicles in public buildings.

Ceramic tiling should be applied to Lafarge wallboards or Lafarge Moisturecheck wallboard depending on the severity of the conditions. Lafarge wallboards may be used as the base for tiling in areas such as splashbacks behind kitchen sinks and wash hand basins. In other areas where there is likely to be more splashing of water on the surface, e.g. showers, it is preferable to use Lafarge Moisturecheck wallboard. If Lafarge wallboards are used it should be treated on the face with two coats of Lafarge Drywall Sealer.

Where the tiling is to cover the entire drylined wall surface, square edge boards may be used. Where an area of the drylining will remain untiled, taper edge boards should be used so that flush joints can be formed in the exposed areas; in this case the concealed joints should be filled with a waterproof ceramic tile adhesive.

Care should be taken to ensure that the framing members and lining boards offer adequate support to prevent flexing, particularly for partitions which may be tiled on one side only. Tiled areas not extending down to the floor should be provided with horizontal supports at the base of the tiling. Additional support requirements are given in table 8.6. Supports for baths, basins and other plumbing fixtures must be provided independently of the plasterboard.

It is essential that detailing at junctions, angles and perimeters is designed to prevent moisture penetration. Seal around pipes, baths, shower fittings, openings and outlets with a waterproof silicone sealant.

Recommendations in table 8.6 apply to the use of tiles up to 12.5mm thick with a maximum weight of 32 kg/m², fixed in accordance with BS 6431: Part 9, using a thin-bed adhesive (nominal thickness 3mm).**

Drylining systems using Lafarge Bonding Compound in their construction should be allowed 10 days to achieve their full strength before tiling.

Repairs

Minor damage to plasterboard may be repaired by filling with Lafarge Fast Set and sanding smooth. Areas of damage too large for filling should be repaired by one of the methods below.

Cut out a rectangular piece of the boarding around the damaged area using a fine-toothed keyhole saw. Bevel the edges of the hole inwards at 45° with a rasp or sanding block. Cut a piece of board to the same size as the hole and bevel the edges to an exact fit. Apply Lafarge Fast Set to the edges of the hole and fit the patch piece in place using Lafarge Patching Tape (leave to set for 1 hour). Finish around the patch as described under Jointing in Section 7.

If necessary, bond a strip of plasterboard behind the hole to provide extra support before inserting the patch piece.

For larger repairs, cut a rectangular piece of plasterboard 50mm larger than the hole or damaged area. Place it over the hole and mark its position. Cut through the damaged board along the diagonals of the marked rectangle with a finetoothed keyhole saw; then cut through the paper facing around the rectangle with a sharp knife, break away and remove the cut pieces of the wallboard.

Cut two backing pieces of plasterboard and bond to the back of the boarding using Lafarge Fast Set on each side of the hole; leave to set for 1 hour.

Apply Lafarge Fast Set to the backing pieces and fit the patch piece of plasterboard into the hole using Lafarge Patching Tape (leave to set for 1 hour). Finish around the patch as described in Section 7.

Table 8.6 Plasterboard to receive ceramic tiling (BS 8212)

| System | | Board thickness (mm) | Support centres (mm) | Additional support | Maximum tiling height (m) |
|----------------|--------------------------|----------------------------|----------------------------|---|---------------------------------|
| Drylining | Direct Bond | 12.5 | 450* | Horizontal dabs at 1/3 centres in height | 3.6 |
| | Lafarge Dryliner | 12.5 | 400 | - | 3.6 |
| | Independent 70mm I Studs | 2 x 12.5 | 400 | Mid-point support | 3.0 |
| Partitions | Laminated | 50, 63 | _ | None | 2.4 |
| | | 55, 70 | _ | None | 2.6 |
| | Timber | 12.5 | 400 - 450 | None | 3.0 |
| | | 12.5 | 600 | Timber noggings at 600mm vertical centres | 2.4 |
| Lafarge Cormet | 50mm studs | 2 x 12.5 | 400 | None | 3.6 |
| metal stud | 70mm studs | 2 x 12.5 | 400 | None | 3.6 |
| | 146mm studs | 2 x 12.5 | 600 | Additional studs at 300mm centres up to tile he | ght |

*Bonding compound dab row centres

**Full specification for ceramic tiling to plasterboard is available from the Tile Association, Forum Court, 83 Copers Road, Beckenham, Kent, BR3 1NR

PRODUCT SPECIFICATION LAFARGE COMPOUNDS

Lafarge Taping and Jointing System

Lafarge Taping and Jointing system is used to create continuous seamless plasterboard walls and ceilings using easy application methods, including two coat systems.

It is used for jointing:

- Tapered edge wallboard
- All internal and external corner joints
- Lafarge Fresco
- Lafarge Profiles

Jointing Compounds

Lafarge jointing compounds are exceptionally smooth to work and easy to sand for a very fine finish. Consistent working times and strong adhesion coupled with superior coverage and excellent workability help produce continuous seamless joints.

Lafarge Compounds

Fast Set Description Application Code reference Bag size Gypsum based jointing compound Hand application FAST 12.5 kg with a 90 minutes setting time, used only. for bedding tapes and filling joints. Also for bedding: Fast Set • Lafarge Tape-on Corner beads • Lafarge Flex Tape Corner beads Easy Finish Application Description Code reference Bag size EASY FINISH 10 kg A two-stage low shrinkage Hand application compound with a 90 minute set time only for bedding tapes and finishing joints, Lafarge Tape-on Corner beads Easy Finis and Lafarge Flex Tape as well as Corner beads. Sanded with 120 grit sandpaper. Also for bedding Lafarge Tape-On Corner Beads, Lafarge Flex Tape and Lafarge Corner Beads. New Pure Velvet Description Application Code reference Bag size NPURE 25 kg An air-drying powdered compound Can be applied by hand or mechanical for bedding tapes and finishing joints as a three coat application not methods suitable for bedding corner New Put Velvel protection. Can be applied over Fast Set as a finish and sanded with 150 grit paper. Rapid Sand Description Application Code reference Bag size RAPID 22.5 kg Can be applied by A light weight air-drying compound hand or mechanical for bedding tapes and finishing methods. joints, either by hand or using a machine. Rapid Sand allows the jointing operation to be completed in two stages. Sand with 120/150 grit paper.

Table 8.7 Use of jointing compounds

| Product | Product type | Bedding tape | Filling coat | Finishing coat | Sanding paper |
|---------------------------|---------------------|-----------------|-----------------|-------------------|------------------|
| New Pure Velvet | Air-drying | 1 | 1 | 1 | 150 grit |
| Fast Set | Setting | 1 | 1 | × | |
| Easy Finish | Air-drying, setting | 1 | Not required | 1 | 120 grit |
| FineForm Mid-Weight | Air-drying | 1 | 1 | 1 | 120 grit |
| Readymix Lite | Air-drying | 1 | Not required | 1 | 150 grit |
| Predeco Filler | Setting | 1 | 1 | × | |
| Deco Joint Cement | Air-drying | 1 | Not required | 1 | 150 grit |
| Rapid Sand | Air-drying | 1 | Not required | 1 | 150 grit |
| Deco Machine Joint Cement | Air-drying | 1 | 1 | 1 | 150 grit |

PRODUCT SPECIFICATION LAFARGE COMPOUNDS

Lafarge Compounds (ctd)

| Lanarge Compo | | | | |
|----------------------|---|--|--------------------------|------------------------------------|
| FineForm Mid-Weight | Description | Application | Code reference | Bucket size |
| Fine Form | An air-drying pre-mixed joint compound for bedding tapes and finishing joints as a three coat application. | Can be applied by hand or mechanical methods. | FINEM | 20 kg |
| | protection. Can be applied over Fast Set or Easy Finish as a finish and sanded with 120 grit sandpaper. | | | |
| Readymix Lite | Description | Application | Code reference | Bucket size |
| Anadymix Lav | A lightweight air-drying pre-mixed, two coat joint cement. For bedding tapes and finishing joints. Not suitable for bedding corner protection. | Can be applied by hand or mechanical jointing, sanded with 150 grit sandpaper. | RLITE | 20 kg |
| Universal Texture | Description | Application | Code reference | Bag size |
| Universal Texture | A crack resistant decorative finish to interior walls and ceilings. | Warm and cold water mix | UNITEX | 25 kg |
| Sealertex | Description | Application | Code reference | Bucket size |
| Sealertex | texture finish application. | | SEALIEA | 10 litres |
| Universal Sealer | Description | Performance | Code reference | Bucket size |
| American Service | Used for sealing plasterboard prior to decoration and to seal the ivory face prior to applying a texture finish in humid, damp or winter conditions. It allows wallpaper to be stripped and helps prevent discolouration to paint in humid and damp conditions. | Universal Sealer does not provide a vapour control barrier. | UNISEAL | 10 litres |
| | Must be applied to comply with BS 8212: | 1995, Code of practice fo | or dry lining and partit | tioning using gypsum plasterboard. |
| Drywall Sealer | Description | Performance | Code reference | Bucket size |
| | A predecoration plasterboard primer for internal decoration. One coat prepares drywall for decoration and | Two coats provides a vapour control layer of | SEAL10 | 10 litres |
| Brywall Sealer | allows wallpaper to be stripped. Does not protect against condensation s | approximately 15 MNs/g when applied to BS 3177. taining, for staining pro | otection specify Unive | ersal Sealer. |
| | - | - | - | _ · |
| Bonding Compound | Gypsum based Bonding Compound used for bonding plasterboards to masonry backgrounds, except for Vapourcheck and Thermal laminates. Used to bond laminated partitions | Vertormance Working time of 70* minutes, setting time 110* minutes. (* approximate) | BOND25 | Bag size 25 kg |
| | and bonding Cormet metal furrings to masonry backgrounds. | | | |

PRODUCT SPECIFICATION LAFARGE COMPOUNDS

Lafarge Compounds (ctd)

| Multi Purpose Adhesive | Description | Application | Code reference | Bag size |
|------------------------|---|---|----------------|-------------|
| Multi Rope | A gypsum based adhesive Lafarge formulated for bonding Thermal laminates to masonry backgrounds. It is pink colour to distinguish the product from Lafarge Bonding Compound. | Working time of 70* minutes, setting time 110* minutes. (*approximate) | | 25 kg |
| Drywall Adhesive | Description | Application | Code reference | Bucket size |
| Provall Adheses | For bonding plasterboard and thermal laminates to various backgrounds, including ceramic tiles, plaster backgrounds and plasterboard to plasterboard. | | RDA5 | 5 litres |
| Supreme Skim Plaster | Description | Application | Code reference | Bag size |
| Suprem Skim Flater | Lafarge Supreme Skim is a light coloured gypsum based board finish plaster. It can be applied to plasterboard backgrounds to produce a high quality finish. | Should be used on plasterboard front (ivory) face. | SKIMPLAST | 25 kg |
| Deco Joint Filler | Description | Application | Code reference | Bag size |
| PREDECO | A unique setting compound for bedding tapes and filling joints on the Deco range of boards. It must be over coated with Deco Joint Cement or Deco Machine. Also for bedding: • Lafarge Tape-On Corner bead • Lafarge Flex Tape | Cannot be used in automatic taping machines. | PDFILL | 12.5 kg |
| Deco Joint Cement | Description | Application | Code reference | Bucket size |
| | A unique pre-mixed two-stage, air- drying joint cement. Designed for bedding tapes and finishing joints for the Deco range of boards. Can be applied by hand or mechanical jointing and sanded with 150 grit sandpaper. | Not suitable for bedding corner protection. | DCEM | 20 kg |
| Deco Machine | Description | Application | Code reference | Bucket size |
| | A unique pre-mixed air-drying cement designed for bedding tapes and finishing joints for the Deco range of boards. Formulated for use through automatic taping tools. Sand with 150/120 grit paper. May be hand applied. | Can be applied by hand or mechanical methods. | DMAC | 20 kg |
| Cove Adhesive | Description | Application | Code reference | Bag size |
| | Lafarge Cove Adhesive is a gypsum | Lafarge Cove | COVEADH5 | 5 kg |
| Cove Adhesir | based compound with a 40 minute setting time. It has exceptional smoothness for ease of application and dries white for ease of decoration. | Adhesive is ideal for filling and patching Lafarge Cove. | COVEADH125 | 12.5 kg |

PRODUCT SPECIFICATION LAFARGE SCREWS

Lafarge Self Tapping Screws

ceiling systems.

| Latarge Self lap | ping screws | | | | | | |
|---|---|----------------------|------------|------------------------------|--------------------------------|------------------------------------|-------------------------------|
| Drywall Self Tapping | Description | Length (mm) | Gauge | 2.5Kg Bo Code | x (approx) Quantity | 0.5Kg Bo Code | x (approx) Ouantity |
| | For attaching plasterboard to light | 25 | 6 | 25DST25 | 1730 | 25DST5 | 364 |
| | gauge metal stud partitioning (up to | 32 | 6 | 32DST25 | 1524 | 32DST5 | 305 |
| | 0.7mm) and ceiling systems. | 38 | 6 | 38DST25 | 1277 | 38DST5 | 255 |
| No. | | 41 | 6 | 41DST25 | 1222 | 41DST5 | 244 |
| The second | | 44 | 6 | 44DST25 | 1158 | 44DST5 | 232 |
| The second | | 51 | 7 | 51DST25 | 896 | 51DST5 | 179 |
| 1 | | 57 | 7 | 57DST25 | 784 | 57DST5 | 157 |
| | | 63 | 8 | 63DST25 | 630 | 63DST5 | 126 |
| | | 76 | 8 | 76DST25 | 520 | 76DST5 | 104 |
| | | | | | | | |
| Pan Head Self Tapping | Description | Length | Gauge | 2.5Kg Bo | x (approx) | 0.5Kg Bo | x (approx) |
| | | (mm) | | Code | Quantity | Code | Quantity |
| | | 11 | 6 | 11PHST25 | 1917 | 11PHST5 | 381 |
| The second | For connecting light gauge metal components (up to 0.7mm). | | | | | | |
| Trim Head Self Tapping | Description | Length | Gauge | 2.5Kg Bo | x (approx) | | |
| | | (mm) | | Code | Quantity | | |
| | | 41 | 7 | 41THST25 | 1022 | | |
| | Self embedding screws for attaching wood trims and aluminium profiles to metal framing (up to 0.7mm). | | 7 | 57THST25 | 744 | | |
| Wafer Head Self Tapping | J Description | Length (mm) 14 | Gauge 8 | 2.5Kg Bo Code 14WHST25 | x (approx) Quantity 1495 | 0.5Kg Bo Code 14WHST5 | x (approx) Quantity 299 |
| - And | Low profile head for connecting light gauge metal components (up to 0.7mm) beneath plasterboard. | | | | | | |
| Toughcheck Self Tapping | Description | Length | Gauge | 2.5Kg Bo | x (approx) | | |
| | | 25 | 7 | 25NGPST25 | 1917 | | |
| 3 | Foundation Lafoure Touch choole | 2J //1 | , 7 | 41NGPST25 | 1190 | | |
| | Wallboard to light gauge metal partitioning (up to 0.7mm) and ceiling systems. | | | | | | |
| Checkpoint Self Tapping | Description | Length | Gauge | 2.5Kg Bo | x (approx) | | |
| | | (mm) | c | | quantity | | |
| R | | <u></u> Δ1 | 6 | 2JCF3123 | 1175 | | |
| | for fixing high performance plasterboards. | -+1 | b | 41([3]23 | 11/3 | | |
| Megadeco Self Tapping | Description | Length (mm) | Gauge | Box of 1 Code | 000 screws Weight (kg) | | |
| <i></i> | | 25 | 7 | 25MST16 | 1.61 | | |
| N/a | A zinc coated drywall screw | 32 | 7 | 32MST20 | 1.99 | | |
| The second second | specifically designed for fixing | 38 | 7 | 38MST23 | 2.30 | | |
| 100 | Megadeco to light gauge metal and | 44 | 7 | 44MST25 | 2.48 | | |
| | ceiling systems. | | | | | | |

PRODUCT SPECIFICATION LAFARGE SCREWS

Lafarge High Thread Screws

| Drywall High Thread | Description | Length (mm) | Gauge | 2.5Kg Bo Code | ox (approx) Quantity | 0.5Kg Bo Code | ox (approx) Quantity | |
|---|---|----------------|-------|------------------|-------------------------|------------------|-------------------------|--|
| | For attaching plasterboard to timber stud partitioning and ceiling joists/ rafters. | 32 | 6 | 32DHT25 | 1529 | 32DHT5 | 306 | |
| Je la | | 38 | 6 | 38DHT25 | 1304 | 38DHT5 | 261 | |
| | | 41 | 6 | 41DHT25 | 1239 | 41DHT5 | 247 | |
| | | 51 | 7 | 51DHT25 | 898 | 51DHT5 | 180 | |
| N . | | 63 | 8 | 63DHT25 | 619 | 63DHT5 | 124 | |
| | | 76 | 8 | 76DHT25 | 576 | 76DHT5 | 107 | |
| | | | | | | | | |
| Laminating High Thread | Description | Length | Gauge | 2.5Kg Bc | ox (approx) | | | |
| | - | (mm) | - | Code | Quantity | | | |
| + | High Grip screws for retaining | 32 | 10 | 32LHT25 | 855 | | | |
| | plasterboards in laminating partitions. | 38 | 10 | 38LHT25 | 726 | | | |
| 1 | | 44 | 10 | 44LHT25 | 662 | | | |
| - | | | | | | | | |

Lafarge Self Drilling Screws

| Drywall Self Drilling | Description | Length | Gauge | 2.5Kg Bo | x (approx) | 0.5Kg Bo | x (approx) | |
|-----------------------|---|--------|-------|----------|------------|----------|------------|--|
| | | (mm) | | Code | Quantity | Code | Quantity | |
| × | For attaching plasterboard to heavy | 25 | 6 | 25DSD25 | 1662 | 25DSD5 | 332 | |
| | gauge metal stud partitioning (up to 2mm gauge) and ceiling systems. | 32 | 6 | 32DSD25 | 1376 | 32DSD5 | 299 | |
| THE . | | 38 | 6 | 38DSD25 | 1191 | | | |
| 1990 | | 44 | 6 | 44DSD25 | 1006 | | | |
| | | 67 | 8 | 67DSD25 | 500 | | | |
| | | | | | | | | |
| | | | | | | | | |

| Wafer Head Self Drilling | Description | Length (mm) | Gauge | 2.5Kg Bo Code | x (approx) Quantity |
|-----------------------------|---------------------------------|----------------|-------|------------------|------------------------|
| K | Low profile head for connecting | 14 | 8 | 14WHSD25 | 1379 |
| | heavy gauge components (up to | | | | |

2mm gauge) beneath plasterboard.

| Toughcheck Drywall Self Drilling | Description | Length (mm) | Gauge | 2.5Kg Bo Code | x (approx) Quantity | |
|--|---|----------------|-------|------------------|------------------------|--|
| the second secon | For use with Lafarge Toughcheck Wallboard in multi-layer applications to heavy gauge metal wall and ceiling systems (up to 2mm gauge). | 38 | 7 | 38GRSD25 | 1165 | |

| Pan Head Self Drilling | Description | Length | Gauge | 2.5Kg Bo | x (approx) | 0.5Kg Bo | x (approx) | |
|------------------------|----------------------------------|--------|-------|----------|------------|----------|------------|--|
| | | (mm) | | Code | Quantity | Code | Quantity | |
| × | For connecting heavy gauge metal | 11 | 6 | 11PHSD25 | 2032 | 11PHSD5 | 406 | |
| | components (up to 2mm gauge). | | | | | | | |

Acoustic Screws

| Acoustic Floor Screw | Description | Length (mm) | Gauge | Bo» Code | < Quantity | |
|----------------------|---|----------------|-------|-------------|---------------|--|
| | For use in the Lafarge Cormet Acoustic Floor system. For fixing the floor boards to the Cormet Metal Angles. | 63 | 7 | 63AFST25 | 699 | |

PRODUCT SPECIFICATION CORMET METAL COMPONENTS

Metal specifications

Cormet metal sections are used to provide the steel frame for plasterboard wall linings and partitions.

- The sections are available in the following gauges:
- R = Red gauge 0.5-0.55mm
- B = Blue gauge 0.70mm
- W = White gauge 0.90mm
- Y = Yellow gauge 1.2mm

Material Properties

Comply with BS 7364: 1990. Hot dipped galvanised steel to BS EN 10143: 1993 and BS EN 10142: 1990 + A1:1995 designation DX51D + Z275 NA 0.

Cold rolled to BS 2994: 1987.

Cormet Metal Sections

| C Stud | Description | Width (mm) | Lengths (mm) | Code reference | |
|--|---|------------|--|----------------|--|
| | Galvanised metal C shaped section | 50 | 2400, 2700, 3000, 3600 | CS50/R | |
| | used with Cormet U Track to provide | 60 | 2400, 2700, 3000, 3600, 4200 | CS60/R | |
| And Personne of Concession, Name | steel frame for plasterboard wall | 70 | 2400, 2700, 3000, 3300, 3600, 4200, 4800 |) CS70/R | |
| | linings and partitions. | 90 | 2700, 3000, 3600, 4000, 4200 | CS90/R | |
| | | 146 | 2400, 2700, 3000, 3600, 4200, 4800 | CS146/R | |
| | | 70 | 3600, 4200 | CS70/B | |
| | 36 } { 34 | 90 | 3600, 4200 | CS90/B | |
| | | 146 | 3600, 4200, 4800, 5400, 6000 | CS146/B | |
| | + <u>Width</u> + | 90 | 4800, 6000, 7200 | CS90/W | |
| | | 70 | 4800 | CS70/Y | |
| | | 90 | 3600, 4800, 6000 | CS90/Y | |
| | | 146 | 6000 | CS146/Y | |
| U Track | Description | Width (mm) | Lengths (mm) | Code reference | |
| | Galvanised metal U shaped section | 52 | 3000 | UT52/R | |
| and the second s | used with Cormet C Studs to provide | 62 | 3000 | UT62/R | |
| Contraction of the local division of the loc | metal frame for plasterboard wall linings and partitions. | 72 | 3000 | UT72/R | |
| | | 72 | 3000 | UT72/B | |
| | R gauge tracks are fully knurled, | 92 | 3000 | UT92/R | |
| | where as B, W and Y gauge tracks | 148 | 3000 | UT148/R | |
| | are not. | | | | |

U Track Deep Flange

Description Galvanised metal U shaped section used with Cormet C Studs to provide metal frame for plasterboard wall linings and partitions that require a deflection head allowance or exceed 4.2m in height.

| Width (mm) | Lengths (mm) | Code reference |
|------------|--------------|----------------|
| 52 | 3000 | UDT52/B |
| 62 | 3000 | UDT62/B |
| 72 | 3000 | UDT72/B |
| 92 | 3000 | UDT92/B |
| 148 | 3000 | UDT148/B |

U Track Extra Deep Flange Description

Galvanised metal U shaped section used with Cormet C Studs to provide metal frame for plasterboard wall linings and partitions that require a deflection head allowance or exceed 4.2m in height.

| Width (mm) | Lengths (mm) | Code reference |
|------------|--------------|----------------|
| 72 | 3000 | UXT72/B |
| 94 | 3000 | UXT94/B |
| 92 | 3000 | UXT92/W |
| 94 | 3000 | UXT94/W |
| 148 | 3000 | UXT148/W |

PRODUCT SPECIFICATION CORMET METAL COMPONENTS

Cormet Metal Sections

| l Stud | Description | Width (mm) | Length (mm) | Code reference |
|---|--|------------|-------------|----------------|
| | Galvanised steel metal I shaped | 50 | 2400, 3000 | IS50/R |
| and the second second | section used with Cormet U track | 60 | 3600, 4200 | IS60/B |
| | to provide a metal frame for plasterboard wall linings and partitions. | 70 | 3600, 4200 | IS70/B |
| and the second | | 90 | 6000, 7200 | IS90/B |
| and the second se | | 92 | 3600, 6000 | IS92/W |
| | 40 | | | |
| | Width | | | |

Cormet Acoustic Homespan System

Galvanised metal sections to provide a metal frame for the **Cormet Acoustic Homespan** system.

All sections are 0.5mm gauge metal

(Red [R] gauge).

| Acoustic Homespan C Stud | Description | Width (mm) | Length (mm) | Code reference |
|---|--|--|--------------------------------------|----------------|
| | Galvanised C shaped metal section | 44 | 2400 | AHS44/R |
| | used with Acoustic Homespan U Track to provide a metal frame for the Acoustic Homespan System. | 50 $36 \xrightarrow{6} \\ 4H544/R \\ 44$ | $34 \downarrow \overbrace{50}^{6} 4$ | AHS50/R |
| Acoustic Homespan Starter Stud | Description | Width (mm) | Length (mm) | Code reference |
| | Acoustic Homespan Starter Studs are | 44 | 2400 | CS44/R |
| | used at wall abutments and at door openings as part of the Acoustic Homespan system. | $36 \downarrow \boxed{36} \downarrow \boxed{38}$ width | 2400 | CS50/R |
| Acoustic Homespan U Track | Description | Width (mm) | Length (mm) | Code reference |
| The second se | Galvanised U Track is used with | 45 | 2400, 2700 | UT45/R |
| | Cormet Acoustic Homespan C Studs to provide a metal frame for the Acoustic Homespan System. | 52 26 45 | 3000 | UT52/R |
| Acoustic Homespan Deep Flange Track | Description | Width (mm) | Length (mm) | Code reference |
| | Acoustic Homespan Deep Flange | 45 | 2400 | XDT45/R |
| | Track is used as the floor track in the Acoustic Homespan system when screw fixings for the skirting boards are required. | 52 70 width | 3000 | XDT52/B |

Cormet Omega Acoustic Studs

A unique omega shaped stud which, when used in a Cormet partition system, gives up to 3 R_wdB increased acoustic insulation over standard 70mm Cormet metal studs with the same board linings.

All sections are 0.5mm gauge metal (Red [R] gauge).

| Acoustic Omega Stud | Description | Width (mm) | Length (mm) | Code reference | |
|-------------------------------------|----------------------------------|------------|------------------------|----------------|--|
| States of the local division of the | Galvanised omega shaped metal | 70 | 2400, 2700, 3000, 3600 | AS70/R | |
| | studs used in the Omega Acoustic | 90 | 3600, 3900, 4200 | AS90/R | |
| | Partition System. | 34 | 6 | | |

Cormet Shaftwall

Galvanised metal sections used to provide steel frame for the **Cormet Shaftwall** system.

All components are 0.7mm gauge (Blue [B] gauge)

| CH Stud | Description | Width (mm) | Length (mm) | Code reference |
|--|--|------------------------|------------------|----------------|
| | Light weight non-loadbearing steel | 60 | 3000, 3600, 4800 | CHS60/B |
| and and a state of the state of | sections which are installed between | 90 | 4800, 6600 | CHS90/B |
| | Lafarge Firecheck Coreboards and | 146 | 6000, 8000 | CHS146/B |
| | provide the bearing surface to which wallboard is applied. | 35 + 25 + widths |] | |
| E Stud | Description | Width (mm) | Length (mm) | Code reference |
| | Lightweight steel sections used for starter studs, intersections, door openings and end studs. | 60 | 3000, 3600, 4800 | ES60/B |
| | | 90 | 4800, 6600 | ES90/B |
| and the second second | | 146 | 6000, 8000 | ES146/B |
| | | 25 + 25 + widths |]] + | |
| J Track | Description | Width (mm) | Length (mm) | Code reference |
| | | 62 | 3000 | JT62/B |
| | Lightweight steel sections positioned | 92 | 3000 | JT92/B |
| No. of Concession, Name | at floor and soffit to guide Cormet | 148 | 3000 | JT148/B |
| | CH Studs. | 50 | 25 | |

+

widths

PRODUCT SPECIFICATION CORMET METAL COMPONENTS

Cormet Dryliner Components

| | • | | | |
|-----------------------------------|--|-----------------|------------------------|----------------|
| Dryliner Channel | Description | Dimensions (mm) | Length (mm) | Code reference |
| | A galvanised steel furring channel for plasterboard fixing. It is used in the Cormet Dryliner and Archliner systems. | 17 x 47 | 2400, 2700, 3000, 3600 | RD1 |
| Dryliner Channel Connector | Description | Dimensions (mm) | | Code reference |
| | A Galvanised clip used to join RD1 Dryliner Channels. | 100 x 47 x 16 | | RD3 |
| Dryliner Track | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Galvanised metal J shaped section used as a track or perimeter channel in the Cormet Dryliner system. | 20 x 19 x 30 | 3000 | RD9 |
| Standard Reach Brackets | Description | Dimensions (mm) | Cavity width (mm) | Code reference |
| | A Galvanised steel section used to brace RD1 Dryliner Channels to substrate in the Cormet Dryliner System. | 63 x 47 x 35 | 25-60 | RD2 |
| XR Bracket | Description | Dimensions (mm) | Cavity width (mm) | Code reference |
| | A Galvanised steel section used to brace RD1 Dryliner Channels to substrate in the Cormet Dryliner System. | 133 x 47 x 35 | 25-130 | RD11 |
| Close Reach Bracket | Description | Dimensions (mm) | Cavity width (mm) | Code reference |
| 0 | A galvanised steel bracket used in conjunction with RD8 Close Reach Pin to support RD1 Dryliner Channels in the Cormet Dryliner System. | 10 x 30 x 40 | 20-25 | RD7 |
| Close Reach Pin | Description | Dimensions (mm) | | Code reference |
| Stand Barris | A pin/plug used for fixing RD7 Close Reach Bracket onto the Cormet Dryliner System. | 10 × 40 | | RD8 |
| Ceiling System Joist Connector | Description | Dimensions (mm) | Maximum cavity (mm) | Code reference |
| | Galvanised steel pressed section used | 47 x 100 | 65 | RD5 |
| | to join RD1 Dryliner Channels to timber used in Dryliner Ceiling System. | 47 x 180 | 120 | RD10 |
| Metal Furring Wall Channel | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Galvanised steel pressed section used in Cormet Metal Furring System. | 40 x 10 | 2260 | MFWC |

Cormet Suspended Ceiling Components

| connet suspen | aca components | | | |
|--------------------------------|--|-----------------|---------------------------|-------------------|
| Ceiling Channel | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Galvanised steel channel used to form the Cormet Suspended Ceiling system. | 102 x 25 | 3600 | MFCC50 |
| Primary Channel | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Galvanised steel channel used to support the MFCC50 Ceiling Channel in the Cormet Suspended Ceiling system | 15 x 44 x 15 | 3600 | MFCP44 |
| Heavy Gauge Primary Channel | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Galvanised steel channel used to form heavy duty suspended ceiling grids in place of MFCP44 Primary Channels. | 30 x 52 x 30 | 3000 | UT52/Y |
| Edge Channel | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Galvanised steel channel used to form the perimeter support of the Cormet Suspended Ceiling system | 19 x 26 x 28 | 3600 | MFCE26 |
| Metal Angle | Description | Dimensions (mm) | Thickness (mm) Length (mr | n) Code reference |
| | Galvanised steel section which can be used in a variety of systems. | 30 x 23 | 0.8 3600 | MFC2330 |
| Strap Hanger | Description | Thickness (mm) | Length (m) | Code reference |
| \bigcirc | Galvanised steel strip used as a hanger for the Cormet Suspended Ceiling system. | 0.55 | 25 | MFCSTRAP |
| Connecting Clip | Description | | | Code reference |
| \bigcirc | Galvanised steel clip for for joining MFCC50 channels for the Cormet Suspended Ceiling system. | | | MFCCLIP |
| Soffit Cleat | Description | | | Code reference |
| • | Galvanised steel bracket used to fix angle brackets or MFCSTRAP to substrate for the Cormet Suspended Ceiling system. | | | MFCCLEAT |
| Ceiling Nut and Bolt | Description | | | Code reference |
| 60 | Galvanised steel nut used to bolt cleat to hangers in the Cormet Suspended Ceiling system. | | | MFCNB |

PRODUCT SPECIFICATION CORMET METAL COMPONENTS

Cormet Acoustic Floor

| Acoustic Floor Clip | Description | Dimensions (mm) | | Code reference |
|---------------------------|---|-----------------|-------------|----------------|
| Contraction of the second | Metal clip used in the Lafarge Cormet Acoustic Floor system. | 28 x 99 | | RAFC25 |
| Resilient Tape | Description | Dimensions (mm) | Length (m) | Code reference |
| 0 | Self adhesive acoustic isolation tape. | _50 x 6 | 12 | RAFT50 |
| Resilient Bar | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Acoustic isolation bars. | 87 x 17 | 3000 | RBD3000 |
| | | | | |

Cormet Acoustic Braces

| Phonissimo | Description | Performance | Code reference |
|------------|---------------------------------------|---|----------------|
| | This product is an acoustic suspended | Acoustic Isolation: + 10 dB at frequencies 50 hertz | PHONIMO |
| | Cormet Suspended Ceiling system. | Maximum load: 50kg | |
| | | Maximum deflection: 3mm | |
| 6 | | Fire safety: This product will not collapse if the rubber isolator should burn out. | |

| Phonistar | Description | Performance | Code reference |
|-----------|---|---|----------------|
| | This product is a heavy duty acoustic suspended ceiling hanger bracket for | Acoustic Isolation: + 10 dB at frequencies 50 hertz to 1000 hertz | PHONI |
| 1 million | use with the Cormet Suspended | Maximum load: 120kg | |
| | Ceiling system. | Maximum deflection: 6.5mm±15% | |
| | The bracket is capable of supporting services and a secondary ceiling. | Fire safety: This product will not collapse if the rubber isolator should burn out. | |
| V Brace | Description | Performance | Code reference |
| | A sound and vibration isolating | Acoustic Isolation: + 5 RwdB between frequencies | VBRACE |
| | strengthening brace for twin walls and | 50 hertz to 125 hertz | |
| | partitions. | Maximum strength: 500 N | |

Cormet Encasements

| CB Clip | Description | To fit flange size (mm) | Thickness (mm) | Code reference |
|------------|---|-------------------------|----------------|----------------|
| 1000 | Lightweight steel clips friction fitted | 7-17 | 0.55 | CB17 |
| Ser Conner | to flanges of structural steelwork in | 17-27 | 0.55 | CB27 |
| | the Cormet Column and Beam Clip | 27-40 | 0.55 | CB40 |
| | System. Used in conjunction with MFCE26 Cormet Edge Channel. | | | |

Cormet Systems: Accessories

| Insulation Hold | Description | Roll size (m) | | | Code refere | ence |
|--|---|-----------------|--------------------------|------------------|----------------|-------|
| | Metal supports used with timber and metal framing to hold mineral wool insulation. | 30 | | | INSR | |
| Lafarge Intumescent Acoustic Sealant | Description | Pack size | Coverage (linear meti | e res) | Code refere | ence |
| | Lafarge Intumescent Acoustic sealant | 0.9 litres | 25 | | ACOUSTIC (II | NTU) |
| Contraction of the second seco | is an acrylic emulsion containing inert fillers and fungicide that will intumesce when exposed to fire. Designed to be used to fill air gaps to stop sound transmission through Drywall. Can be used to seal gaps between floors and skirtings or around doors or window frames. | 0.38 litres | 10.5 | | ACO 38 (IN | τυ) |
| Movement Control Joint | Description | | Length (m | m) | Code refere | ence |
| | Metal sections fixed between boards to control movement of up to 10mm. | | 3048 | | MCJ 304 | 3 |
| Staggered Stud Clip | Description | Dimensions (mm) | | | Code refere | ence |
| | A spacing clip for use in Lafarge | 12 x 27.5 x 38 | | | ISC10 | |
| 5 | partitions with staggered I studs. | | | | | |
| Fixing channel | Description | Dimensions (mm) | Thickness (mm) | Length (mm) | Code refere | ence |
| | Galvanised metal channel used in linings and partitions to provide support for plasterboard joints and heavy fixtures. Also provides a fire stop. | 99 | 0.9 | 2400 | MFIX | |
| Flat Strap | Description | Dimensions (mm) | Thickness (mm) | Length (mm) | Code refere | ence |
| | Galvanised metal flat strap used in | 50 | 0.55 | 2400 | FS50/R | |
| | linings and partitions to provide support for plasterboard joints. Also provides a fire stop. | 90 | 0.8 | 2400 | FS90/W | |
| | | | | | | |
| Metal Angle | Description | Dimensions (mm) | Thickness (mm) | Length (mm) C | Code reference | Angle |
| | Galvanised steel section which can | 30 x 23 | 0.8 | 3600 | MFC2330 | 90° |
| A DECEMBER OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWNE | be used in a variety of systems. | 25 x 25 | 0.8 | 3600 | MFC2525 | 90° |
| | | 25 x 50 | 0.8 | 3600 | MFC2550 | 90° |
| | Splayed (135°) corner support angle. | 50 x 50 | 0.8 | 3600 | MFC135 | 135° |
| Deflection Head Bracket | Description | Width (mm) Thi | ckness (mm) Dep | oth x length (mm |) Code refere | ence |
| | Galvanised steel bracket used in | 70 | 0.7 | 25 x 25 | DHB70S | |
| | deflection head detail to secure the | 90 | 0.7 | 25 x 25 | DHB90S | |
| | nead of a C Stud and prevent it twisting. | 146 | 0.7 | 25 x 25 | DHB1469 | 5 |
| | y. | 100 | 1.0 | 50 x 54 | DHB100L | - |
| | | 150 | 1.0 | 50 x 54 | DHB150L | - |
| | | 200 | 1.0 | 50 x 54 | DHB200L | - |

PRODUCT SPECIFICATION CORMET ACCESSORIES

Cormet Systems: Accessories (continued)

| Flex Track | Description | Dimensions (mm) | Thickness (mm) | Length (mm) | Code reference |
|------------|--|-----------------|----------------|-------------|----------------|
| | Galvanised steel section designed to allow the easy construction of curved partitions. | 30x23 | 0.7 | 3000 | MFLEX |
| Grommets | Description | | Bag size | C | ode reference |
| 0 | 25mm rubber grommet. | | 100 | | HRG25 |

| Tape-Ons, Meta | l Beads and Tapes | | | |
|---|--|-----------|-------------|----------------|
| Lafarge Tape-On beat tape reinforced with metal for protection corners and board e taping and jointing. | ads are paper n galvanised n of external dges. Used for | | | |
| Corner 90° External | Description | | Length (mm) | Code reference |
| | Wax coated pre-formed 90° corner protection. | | 2400, 3000 | 90EXT |
| Stop Beads | Description | Size (mm) | Length (mm) | Code reference |
| | Wax coated pre-formed drywall | 9.5 | 3000 | 95STOP |
| | stop bead. | 12.5 | 3000 | 125STOP |
| Joint Tape | Description | | Length (m) | Code reference |
| | White perforated cross fibre tape for reinforcing plasterboard joints. Suitable for hand or mechanical application with Lafarge jointing compounds. | | 150 | ΤΝΙΟ |
| Patching Tape | Description | | Length (m) | Code reference |
| - | Self adhesive tape for patching plasterboard. | | 90 | РАТСН |
| Flex Tape | Description | | Length (m) | Code reference |
| | Cross fibre tape with heat bonded zinc coated steel strips for the protection of irregular external corner angles or difficult situations where rigid angle beads are not suitable. Used for taping and jointing. | | 10 | FLEX |
| Duo Bead | Description | | Length (mm) | Code reference |
| | Galvanised steel angle bead with | | 2400 | BEAD DUO8 |
| | 3mm nose for drywall corner reinforcement. | | 3000 | BEAD DUO10 |
| Edging Bead | Description | Size (mm) | Length (mm) | Code reference |
| | Galvanised steel angle bead gives a | 9.5 | 3000 | BEAD EDGE95 |
| | neat edge to plasterboard. Perforated to provide a bed for jointing compound. | 12.5 | 3000 | BEAD EDGE125 |
| | | | | |

PRODUCT SPECIFICATION LAFARGE COVE

Coves

Lafarge Coving is a simple and cost effective way of adding attractive and distinctive features to the wall and ceiling junction. Designed for internal use Lafarge Cove can complement many room styles.

| Lafarge Cove | Description | Size | Length (mm) | Code reference | |
|----------------------|--|-------|------------------|----------------|--|
| | Lafarge Cove is made from plaster | 90mm | 3000, 3600 | COVE90 | |
| ALL ROOM | encased in a strong paper liner. The square back profile and pure gypsum core provide high strength and rigidity. | 120mm | 3000, 3600, 4200 | COVE120 | |
| Lafarge Predeco Cove | Description | Size | Length (mm) | Code reference | |
| | Lafarge Cove as detailed above with the additional benefit of the Lafarge Deco pre-sealed surface. | 120mm | 3000 | PDCOVE120 | |

PRODUCT SPECIFICATION LAFARGE PROFILES

Lafarge Shadowline Profiles

| Shadowline Uplighter | Description | Dimensions (mm) | Length (mm) | Code reference |
|--------------------------|--|-------------------|-------------|----------------|
| In | Crisp stepped extrusion to incorporate linear lighting. | 128 x 121.5 | 3000 | SUS4 |
| plighter Support Bracket | Description | Base (mm) | | Code reference |
| | Support bracket for Shadowline Uplighter. | 104 | | USB1 |
| nadowline Reveal | Description | Dimensions (mm) | Length (mm) | Code reference |
| N/C | Provides a means of relieving | 12.5 | 3000 | SWR125 |
| and and a second | runs of drywall with recessed accent lines. | 25.0 | 3000 | SWR25 |
| adowline Hanging Reveal | Description | Dimensions (mm) | Length (mm) | Code reference |
| FE J J | Incorporates a concealed track for picture and other lightweight hangings. | 12.5 | 3000 | SHR125 |
| nadowline Picture Hanger | Description | | | Code reference |
| | For use with Shadowline Hanging Reveal. | | | SPH1 |
| hadowline Corner Step | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Allows complex corner details to | 12.5 (double) | 3000 | SCS2 |
| | be incorporated into wall angles, ceilings, soffits and columns. | 12.5 x 8.5 (quad) | 3000 | SCS4 |
| nadowline Skirting | Description | Dimensions (mm) | Length (mm) | Code reference |
| and a care and | Provides a high strength rebated skirting to the foot of a partition. | 104 | 3000 | SWB105 |
| hadowline Trim Reveal | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Enables neat architrave details to | 12.5 | 3000 | STR125 |
| and an and and | be created around door frames, skirtings and at partition junctions. | 25.0 | 3000 | STR25 |
| hadowline Z Step | Description | Dimensions (mm) | Length (mm) | Code reference |
| 00 | Allows the drywall linings to be | 12.5 | 3000 | SWZ125 |
| | easily raised or recessed. | 25.0 | 3000 | SWZ25 |

PRODUCT SPECIFICATION LAFARGE PROFILES

Lafarge Shadowline Profiles (continued)

| Shadowline Edge Trim | Description | Dimensions (mm) | Length (mm) | Code reference |
|----------------------|---|-----------------|-------------|----------------|
| P | Sharp 90° aluminium extrusion installed against cut edges of plasterboard. | 12.5 | 3000 | ST125 |
| | | 25.0 | 3000 | ST25 |
| | | | | |
| Shadowline Flex Trim | Description | Dimensions (mm) | Length (mm) | Code reference |
| 266666666 | Allows raised or recessed panels or opening in walls to be constructed with curved edges. | 12.5 | 3000 | STF125 |
| | | 25.0 | 3000 | STF25 |

Lafarge Softform Profiles

| Softform Uplighter | Description | Dimensions (mm) | Length (mm) | Code reference |
|---------------------------|--|-----------------|-------------|----------------|
| | Curved casing to incorporate linear lighting. | 128 x 121.5 | 3000 | SU52 |
| Uplighter Support Bracket | Description | Base (mm) | | Code reference |
| M | For use in conjunction with the Softform Uplighter. | 104 | | USB1 |
| Softform Bullnose | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Creates a smooth round finish to a partition end and projecting bulkhead. | 41.0 | 3000 | SB75 |
| | | 52.0 | 3000 | \$895 |
| Outside Corner 90° | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Allows partitions and wall linings to be constructed with 90° corners. No additional impact protection is required. | 64.0 | 3000 | SO64 |
| | | 75.0 | 3000 | S076 |
| Inside Corner 90° | Description | Dimensions (mm) | Length (mm) | Code reference |
| | Allows partitions and wall linings to be constructed with 90° corners. No additional impact protection is required. | 64.0 | 3000 | SI64 |
| | | 75.0 | 3000 | S176 |
| | | | | |

PRODUCT SPECIFICATION

Case study

The Met Office, Exeter

The Met Office's £80 million headquarters relies on drywall systems from Lafarg Plasterboard. The company'sproducts have been used throughout the complex to create dramatic design features for partitions, wall linings, ceilings, and fire resistant column and beam encasements. Approximately 100,000m² of board have been installed, along with a range of metal stud configurations, in the construction of 22 different partition specifications. Key design features include a striking conical viewing area looking out over the development'scentral indoor street and elliptical meeting rooms.

Client: The Max. office Architect: Broadway Malyon
Drywall contractor: Ultimate IPD Interiors/ECL Contracts
Main contractor: Costain Skamke Joint Wenue

