

Gyproc Cove and Cornice

Product data sheet

Introduction

Overview

Gyproc Cove and Cornice are comprised of a gypsum plaster core encased in a white or ivory paper liner. The cove and cornice range is one of the easiest ways to enhance the appearance of a room by providing a stylish and decorative finish between the wall and ceiling junction.

Gyproc Cove is available in two sizes with the traditional 'C' shaped profile, whilst the profile of the Gyproc Cornice is distinctively 'S' shaped.

Gyproc Cornice Strips and Battens are made from glass fibre reinforced gypsum plaster.

Applications

Usually installed at the angle between the wall and ceiling, they can also be used to add further decorative effect in alcoves, reveals and other areas where there is a change of surface direction.

As well as being used to provide a decorative finish to a room, Gyproc Cove and Cornice can also be very functional, used to conceal cable tracks from indirect lighting and mask small surface / settlement cracks at wall and ceiling joints.

To create more detailed and larger profiles, Gyproc Cornice Strips can be used in a variety of combinations to create a distinctively unique look. Gyproc Cornice Battens can also be used to fix directly over existing cove which is old or damaged, without the need to remove it.

Range

Gyproc Cove and Cornice are available in a range of lengths and carton sizes. The paper liner and carton colour are included in the following table to provide easier product and packaging identification.

Range

Product description	Profile shape	Length mm	Wall 'W' mm	Girth mm	Ceiling 'C' mm	Carton quantity lengths	Carton weight kg	Paper liner	Carton colour
Gyproc Cove 100	C 	3000	67	67	67	6	16.4	White	Orange
Gyproc Cove 127	C 	3000	83	83	83	6	19.6	Ivory	Blue
	C 	3600	83	83	83	5	19.6	Ivory	Blue
	C 	4200	83	83	83	5	22.9	Ivory	Blue
Gyproc Cornice 135	S 	3000	84	92	92	6	25.0	White	Green

NB All weights are approximate.

Product description	Length mm	Width mm	Thickness mm	Carton quantity lengths	Carton weight kg
Gyproc Cornice Strips	2400	100	12.5	8	26
Gyproc Cornice Battens	1200	25	10	40	13

NB All weights are approximate.

Standards

Gyproc Cove and Cornice comply with European Standard *EN 14209:2005* for preformed plasterboard cornices, used in general building construction.

All Gyproc Cove, Cornice, Cornice Strips and Cornice Battens are manufactured under a quality system independently audited and certified as conforming to *ISO 9001: 2000*.

Cove and Cornice test result data

Test	Result
Reaction to fire	A2-s1, d0
Flexural strength	Pass
Dangerous substances	No performance determined

Performance

Sound insulation

Air tightness is essential for optimum sound insulation of plasterboard building elements. Gyproc Cove and Cornice can assist in ensuring that linings meet their stated sound performance levels, since joints will effectively be sealed during the bonding, jointing and making good process.

Fire resistance

Gyproc Cove, Cornice, Cornice Strips and Battens have been designated as Class 0 for the purposes of national Building Regulations.

Installation

General

Before beginning the installation of cove and cornice, you should have the appropriate tools to hand, including: a cove or cornice mitre box; a fine-set cove saw; pencil; tape measure; 30mm or 40mm Gyproc Nails; hammer; trowel and square or jointing knife; jointing sponge and Gyproc Cove Adhesive.

Preparation

Ensure wall and ceiling backgrounds are sound, clean and dry, removing any wallpaper before attempting to fix the cove.

For easier installation, draw guide lines along the wall and ceiling with a pencil at the appropriate distances. For Gyproc Cornice 135, lines should be drawn at 84mm down the wall and 92mm across the ceiling (see girth dimensions in table on page one for other cove sizes).

Scratch plastered or painted areas which will be in contact with the cove to provide a key for the adhesive, and brush away any dust or loose material.



Cutting the cove

Cut the profile to the required length using a cove mitre block and a fine tooth saw.

Mixing adhesive

Mix the Gyproc Cove Adhesive powder into clean water as per the guidance on the packaging and stir to a smooth paste. Ensure the mix is stiff enough to spread onto the cove without it running – too stiff and it will be difficult to apply and too thin it will not bond properly. As a rough guide, 1kg of Gyproc Cove Adhesive will fix about 4m of Gyproc Cove or Cornice and remains useable for approximately 40 minutes. Avoid mixing more than can be used in this time as it will set hard in 90-120 minutes.

Applying adhesive

Apply the adhesive in a 3mm thickness to both surfaces of the cove that will be in contact with the wall.

For very dry plaster backgrounds or those with high suction, dampen down with a clean sponge and clean water immediately prior to adhesive application. This will prevent the adhesive drying out too rapidly.

Installing the cove

Lightly nail the line marked on the wall to provide temporary support to the profile until the adhesive has set. Use two nails for each piece. These should be removed once the adhesive is set. Offer up the profile and push it firmly into position between the guidelines.

Making good

Remove excess adhesive and use it to make good any joints. Finally, moisten a paint brush and trace it along the junctions of the cove and the background to smooth out any adhesive before it sets.

Stop-ends

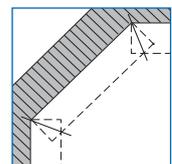
Stop-ends are required where openings such as stairwells, windows and doors extend to ceiling height. Measure out a length of profile for the run which abuts the wall opening or reveal and cut the appropriate external mitre.



Cut the corresponding mitre on a short surplus length and cut the length off square to leave a wedge shape that forms a perfectly fitting, mitred stop-end. Fix both lengths as normal (the longer one first) and make good the mitre with Gyproc Cove Adhesive, as above.

Mitring by the projection method

To illustrate this technique, take a bay window as an example. Draw lines along the ceiling parallel to the walls and extend them to intersect as shown.



Place a suitably sized profile section with square ends in position and mark on its wall edge the point where the walls meet, and on the ceiling edge the point where the lines drawn intersect. Cut the profile along a line drawn between the two marks.

Finishing

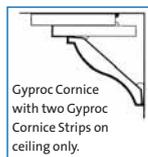
After making good, allow to dry thoroughly, leaving at least 24 hours for any remaining moisture to dry out. Treat surfaces with Gyproc Drywall Primer, prior to applying the decorative paint finish.

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Installation (continued)

Creating steps



Gyproc Cornice Strips are used at the wall and / or ceiling in single and multiple step configurations to enable a wide range of stylish and decorative effects to be created.

Initially decide how many steps are required and the size of the steps. Work out the positions of the Gyproc Cornice Strips and mark the ceiling and wall where required.

Scratch plastered or painted areas which will be in contact with the profile to provide a key for the adhesive, and brush away any dust or loose material. Lightly nail the wall and ceiling to aid alignment and give temporary support while the adhesive sets, using two nails for each strip.

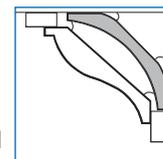
These should be removed once the adhesive has set. Apply Gyproc Cove Adhesive at approximately 3mm thickness to each strip and comb out.

Position the strip against the wall and tap back with a straight edge. Fix additional strips in the same manner, making sure the adhesive has set thoroughly before starting the next stage. Butt-joint the Gyproc Cornice Strips together at angles.

When creating stopped ends with Gyproc Cornice Strips, note where the farthest piece finishes on the ceiling and mark the back projection to the projection on the wall line. Step back each strip to form the feature required as a stopped end. Treat all exposed edges as necessary to control suction before making good the step joints. When dry, brush in adhesive to the small gaps at step edges. The steps are now ready to receive the Gyproc Cove or Cornice profile.

Covering existing profiles

Fix Gyproc Cornice Battens in the same manner as Gyproc Cornice Strips to allow the new profile to bridge over an existing old or damaged moulding without the need to remove it.



Health & Safety

1. Identification of the substances / preparation and company

Gyproc Cove 100 and 127
Gyproc Cornice 135
Gyproc Cornice Strips
Gyproc Cornice Battens

Supplier British Gypsum Limited
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone 08705 456123

Recommended uses: Gyproc Cove, Cornice, Strips and Battens are used inside buildings as a decorative finish between walls and ceilings.

2. Composition / information on ingredients

General composition for cove and cornice: Calcium sulphate dihydrate encased in paper liners, natural constituents may include minor amounts of quartz. Small amounts of starch, foam and dispersants may be added.

General composition for strips and battens: Calcium sulphate dihydrate with a glass fibre tissue immediately below the surface of the board on both sides and a core reinforced with glass fibre rovings.

3. Hazards identification

These products are not classified as dangerous according to CHIP.

THE MOST IMPORTANT HAZARD IS:

Dust from sawing or sanding may irritate the respiratory system, skin and eyes.

4. First aid measures

Eye contact Wash eyes with clean water.

Skin contact Wash thoroughly with soap and water.

Ingestion DO NOT INDUCE VOMITING. Rinse out mouth thoroughly and give plenty of water.

Inhalation If irritation occurs, remove person to fresh air.

General Get medical attention if any symptoms persist.

Health & Safety (continued)

5. Fire fighting measures

The products do not pose a fire hazard. However, some packaging materials or facings may burn.

Suitable extinguishing media – water, foam, carbon dioxide or dry powder.

6. Accidental release measures

Not applicable.

7. Handling and storage

Use – Minimise dust generation when sawing or sanding in poorly ventilated places. Avoid eye contact – see **Section 8** for recommended personal protective equipment and **Section 3** for hazard identification.

Manual handling – Lengths can be unwieldy, use an appropriate lifting technique. The weight of each length can vary between products. For manual handling purposes assume a maximum weight of approx 1.4kg per linear metre. Individual carton weights can be found in both tables on page one.

Mechanical handling – The dimensions of the pallet vary depending on the product size. To avoid potentially overloading a lift truck, it is important that any effect on load centres is considered. The nominal weight of each palletised load is as follows:

Product description	Length mm	Cartons per pallet	Weight tonnes
Gyproc Cove 100	3000	88	1.4
Gyproc Cove 127	3000	63	1.2
Gyproc Cove 127	3600	72	1.4
Gyproc Cove 127	4200	63	1.4
Gyproc Cornice 135	3000	56	1.4
Gyproc Cornice Strips	Individual carton weights can be found		
Gyproc Cornice Battens	on page one		

NB All weights are approximate.

Storage – Store in dry conditions. To maintain stability place pallets on firm level ground, ensure that stacks are both level and vertical. Do not stack more than one lift high.

8. Exposure control / personal protection

Workplace exposure limit for cove and cornice

Substance	Total inhalable	Respirable
Calcium Sulphate	–	–
Hemihydrate	10mg/m ³ (8hr TWA)	4mg/m ³ 8hr TWA
Quartz (silica)	–	0.1mg/m ³ (8hr TWA)

NB HSE guidance - control exposure to <0.1mg/m³ (8 hr TWA).

Workplace exposure limit for strips and battens

Substance	Total inhalable	Respirable
Plaster	4mg/m ³ (8hr TWA)	10mg/m ³ (8hr TWA)
Quartz (silica)	–	0.3mg/m ³ (8hr TWA)
Man Made Mineral Fibres	5mg/m ³ (8hr TWA)	15mg/m ³ (8hr TWA)

NB HSE guidance - control exposure to <0.1mg/m³ (8 hr TWA).

Personal protection

Respiratory

Use in a well ventilated area. Where practicable use engineering methods to control dust levels. If the exposure standards could be exceeded use a disposable face mask complying with *EN 149 FFP2*

Skin

Wear appropriate clothing to protect against repeated or prolonged skin contact.

Eye

If there is a risk of material entering the eye, wear eye protection to *BS EN 166*

9. Physical and chemical properties

Appearance

Cove and cornice lengths, packed in cartons containing 5 or 6 lengths of up to 4200 linear millimetres each. Cornice strips and battens are pre-cut strips of glass reinforced gypsum board. Cornice strips are available in cartons of 8 x 2400mm lengths and cornice battens are available in cartons of 40 x 1200mm lengths.

10. Stability and reactivity

No special physical conditions need to be avoided. No specific restrictions regarding incompatible materials.

11. Toxicology information

No known toxicological effects.

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Health & Safety (continued)

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal consideration

Waste from gypsum products are normally classified as 'non-hazardous' but should not be co-disposed with municipal waste. Dispose at an authorised landfill site in accordance with the Waste Management Licensing Regulations (see Section 16 – Other information).

14. Transport information

Not classified as hazardous for transportation.

15. Regulatory information

Not classified under the CHIP regulations.

16. Other information

Control of Substances Hazardous to Health Regulations
The Manual Handling Operations Regulations
HSE Guidance Note EH40: Workplace Exposure Limits
Gypsum Wastes – Environment Agency Information Sheet
The British Gypsum WHITE BOOK
The British Gypsum SITE BOOK
www.british-gypsum.com

Note to User:

This Product Data Sheet does not constitute a workplace risk assessment for COSHH.

There are a number of situations where the approach to manual handling of British Gypsum products should be considered. For further guidance, please refer to the Manual Handling Section of the SITE BOOK, available to download from www.british-gypsum.com

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British Gypsum reserves the right to revise product specifications without notice. The information in this document was correct to the best of our knowledge at the time of publication. It is the user's responsibility to ensure that it remains current prior to use. The information in this document is for guidance only and should not be read in isolation. Users should read and familiarise themselves with all the information contained in this document and ensure that they are fully conversant with the products and systems being used, before subsequent specification or installation.

For a comprehensive and up-to-date library of information visit the British Gypsum website at: www.british-gypsum.com

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