Shieldjoint GC6

High Quality, Premixed, Jointing and Leveling Compound for Gypsum Boards

TECHNICAL DATA SHEET

Description

Shieldjoint GC6 is a premixed, gypsum-based compound, used for drywalls and gypsum boards as a jointing and leveling compound. It is enhanced with advanced additives to provide high-quality characteristics, making it suitable for use as a jointing and leveling solution for gypsum boards and drywalls. **Shieldjoint GC6** is ready to use and requires the addition of clean water to the powder mix, and designed to be applied as a jointing compound up to 6 mm thickness and leveling solution up to 3 mm.

Uses

- Filling the joints between gypsum boards or cement boards up to 6 mm joint width.
- Filling pinholes and repairing surface blemishes or undulations.
- Levelling and smoothening compound for gypsum boards.
- Connecting drywalls and gypsum boards internal/ external angles.

Characteristics / Advantages

- High adhesion strength.
- Ease of application.
- Anti-mould.
- High coverage.
- Vertical and horizontal applications.
- Premium finishing quality.

Standard Compliance

ASTM C475

Safety Instructions

Shieldjoint GC6 may cause irritation to skin or eyes. Refer to the most recent Material Safety Data Sheet for information and advice on the safe handling, storage, and disposal of the product.

Typical Properties

Color	White
Appearance	Powder
Fresh Wet Density	1.55 ± 0.10 g/ml
Maximum Aggregate Size	100 microns
Working Time @25℃	90 minutes
Setting Time @25℃	2 – 4 hours
Overcoating Time	2 – 3 hours
Shrinkage	< 35% by volume
Joint Width	Up to 6 mm
Leveling Thickness	Up to 3 mm

Packaging

Shieldjoint GC6 is supplied in 20 kg bags.

Shelf Life and Storage

Shieldjoint GC6 has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture.

Shelf life may be reduced if the recommended storage conditions are not followed.

TECHNICAL DATA SHEET

Application Instructions

1. Surface Preparation

The substrate must be free from dust, loose materials, surface contamination, or any materials that may reduce bond or prevent adhesion.

2. Mixing

Shieldjoint GC6 requires between 7.5 – 8.5 liters of potable water per 20 kg bag. Pour the water content into a clean mixing container, then gradually add the powder content of **Shieldjoint GC6** to the water using a low-speed mixing drill with an adequate paddle. The mixing must be completed within 2 – 3 minutes until a homogeneous consistency is achieved.

The mixed material is recommended to stand for 1 – 2 minutes prior to the application. The mixed material must be used within its designed working time, which is highly subjective to the ambient temperature conditions.

3. Application

Apply the mixed material to the prepared surface using a steel float, or wide spatula to completely fill the joints while applying joint tape prior to application.

For leveling/ skimming purposes, apply **Shieldjoint GC6** by hand troweling over gypsum boards in order to achieve a uniform leveled smooth finish.

4. Cleaning

Tools should be cleaned immediately with clean water. Hardened material should be removed mechanically.

5. Curing

Curing is not normally necessary, but freshly applied material should be protected from rain and strong drying winds.

Consumption & Coverage (For 20 kg packs)

Yield: 18 Liters

Consumption: 3.3 kg /m^2 / 3 mm thickness.

Coverage: 6.00 m^2 / 20 kg bag/ 3 mm thickness

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

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