

# Shieldjoint AC4



High Quality, Acrylic-based Jointing and Leveling Compound for Gypsum and Cement Walls

## Description

**Shieldjoint AC4** is a high-performance, ready-to-use, acrylic-based jointing and leveling compound, used for drywalls, cement boards, and gypsum boards, enhanced with advanced additives to provide high-quality characteristics, superior adhesion, flexibility, and smooth finishing. **Shieldjoint AC4** is ready to use and designed to be applied at all types of joints up to 4 mm.

## Uses

- Filling and finishing joints between gypsum boards or cement boards up to 4 mm joint width.
- Filling cracks and holes and repairing surface blemishes or undulations.
- Connecting drywalls and gypsum boards internal/external angles.
- Leveling out and preparing surfaces for paints, coatings, or other finishes.
- Suitable for interior and exterior applications where high-quality finishing is required.

## Characteristics / Advantages

- High adhesion strength.
- Non-shrink characteristics.
- Ease of application.
- Paintable and can be sanded easily.
- Anti-mould.
- High coverage and cost-effective.
- Vertical and horizontal applications.
- Environmentally friendly.

## Packaging

**Shieldjoint AC4** is supplied in 5- and 20-kg buckets.

## Safety Instructions

**Shieldjoint AC4** 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.

## Shelf Life and Storage

**Shieldjoint AC4** has a shelf life of 12 months when stored in its original unopened packing in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may reduce if the recommended storage conditions are not followed.

## Typical Properties

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Color             | White                                                                    |
| Appearance        | Paste                                                                    |
| Fresh Wet Density | 1.65 – 1.80 g/ml                                                         |
| Drying Time       | Touch dry: 40 – 60 minutes<br>To sand: 2 – 4 hours<br>To paint: 24 hours |

Technical information corresponds to the data, were obtained at 23 °C (± 2°C) temperature and 50+5% relative humidity.

## Application Instructions

### 1. Surface Preparation

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

### 2. Mixing

**Shieldjoint AC4** is ready to use jointing compound, does not require adding water, and is applied directly to joints in gypsum boards and drywalls.

### 3. Application

Apply **Shieldjoint AC4** to the prepared surface using a steel float, or wide spatula to completely fill the joints while applying joint tape prior to application. The tape should be centralized over the joint while **Shieldjoint AC4** is pressed into the joints using the spatula. Apply a second coat and let it dry. Do not apply the product if the ambient temperature is less than 5°C.

#### 4. Cleaning

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

#### Technical Support

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

#### 5. Curing

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

#### Consumption

Approximately 1 kg/ m2 at 1 mm thickness.

This is based on theoretical calculations, actual consumption and coverage may vary due to substrate profile, site condition and wastage rate.