

OXY-BOND 31 SPECIAL

Oxy-Bond 31 special is an epoxy resin based solvent-free, thixotropic, structural two part building adhesive and repair mortar. Designed to give excellent moisture tolerance and water resistance, Oxy-Bond 31 special is designed for use at temperatures of 50°C and 30°C. Specifically developed with a lower mixed viscosity for easier workability at low temperatures and excellent adhesion to damp surfaces, which is usually common within the building industry. Oxy-Bond 31 special bonds well to most building materials including concrete, stone, brick, wood, glass and metal. Due to its excellent adhesion it can also be used for adhering building materials, including brick slips, onto glass reinforced plastic (GRP) bases.

Characteristics & Advantages

- 3:1 mixing ratio by weight or volume
- Thixotropic, ideal for vertical and overhead applications
- Ideal for repairing corners and edges
- Gap, joint and crack filling
- No shrinkage
- Impermeable to liquids
- Bonds to damp surfaces
- Excellent adhesion even on damp surfaces
- High impact resistance and mechanical strength
- Good colour for easier colour matching

Substrate Preparation

Mortar and concrete should ideally be older than 28 days, but may depend on the users minimal requirement of strength. The substrate should be clean, dry and free of dirt, oil, grease or surface treatments and coatings. Remove all loose friable material to achieve a textured surface.

Application & Mixing

Mix the base and hardener 3:1 by volume or weight respectively with a folding action to minimise air entrapment. Ensure a uniform colour is achieved before application. Apply the mixed adhesive to the prepared surface using a spatula or trowel. When applied to moist or wet surfaces work the adhesive well into the substrate surface. Ensure components are fully supported during curing to prevent any slippage. Clean all tools immediately after use with thinners as cured material can only be removed mechanically.



Product Data

Colour - Base	Off white
- Hardener	Buff/grey
Sag Flow	Non sag on vertical surfaces up to 20mm thickness
Shrinkage	Negligible
Gel Time - 100g mass at 20°C	90 minutes
Cure time - Initial	5 hours
- Full cure	5 days
Application Temperature	5°C - 30°C
Coverage per Kg	0.7m ²
Compressive Strength	>50N/mm ²
Density	1.4g/cc
Shelf Life	Indefinite in unopened containers

Health & Safety Information

Oxy-Bond 31 special contains epoxy constituents and is classified as an irritant and may cause sensitisation on repeated skin contact. The hardener component is classified as corrosive. For further information and advice, users should refer to the most recent safety data sheet.

Important

The information and recommendations provided are given in good faith based on our current knowledge and experience. However, the differences in substrates, materials and site conditions are such that no warranty or fitness for a particular purpose can be inferred from this information or any written recommendations. The user must test the product's suitability for the intended use.

