

Hydralite

A premium, white or grey, multipurpose, flexible, polymer-modified, tile adhesive suitable for permanently immersed applications

Packaging



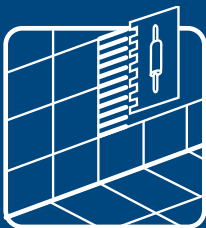
Mixing



Application



Uses



Substrates

Gypsum
Plasterboard
Cement sheet
Concrete,
Brick, Block
Cement render

Description

A premium, white or grey, multipurpose, flexible, polymer-modified, tile adhesive suitable for permanently immersed applications using lightweight technology.

Uses

A one-part, thick or thin bed adhesive used to fix all tiles including vitrified, porcelain, ceramic, mosaic, marble and non-moisture sensitive stone, internally, externally, immersed on floors and walls of concrete, render, screed, heated floors, **Construction Chemicals** waterproofing membranes, building boards (fibre cement sheet, plasterboard) gypsum plaster and existing tiles that are suitably prepared and primed.

Features

- **C2** high bond strength, exceeds 1MPa
- **S1** high deformation, exceeds 2.5mm
- **E** extended open time
- **T** non-slump
- Non-slump - suitable for large format tiles
- Vitrified, porcelain, ceramic, mosaic, marble and stone
- Lightweight technology
- Low VOC
- Flexible

Performance Data

Exceeds the performance requirements of AS ISO 13007.1 giving a tensile adhesion strength of 1.2MPa after immersion.

Coverage (Approximate)

6mm notch - 10-12m² / 13.5kg
10mm notch - 6-8m² / 13.5kg

Specification

The tile adhesive will be a white, polymer-modified, waterproof adhesive that conforms to AS ISO 13007.1 and has a minimum bond strength of 1.0MPa, such as **Hydralite** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Surface Preparation

The surface to be tiled must be firm, clean, free from dust, waxes, paint and other contaminants. Building boards must be fixed in accordance with the manufacturer's instructions. Steel floated concrete floors must be mechanically roughened, washed thoroughly and allowed to dry prior to tiling. When tiling over existing tiles, clean the surface thoroughly and prime with **Primax**. Prime with **Primax** on external, smooth and immersed surfaces and **Primebond** on internal porous surfaces.

A guide to tile joint sizes

Internal minimum 2mm, external minimum 4mm or as specified by the tile manufacturer and AS3958.1. **Do not** fix tiles with tight joints. When grouting joints of less than 3mm we recommend mixing the grout with **Primebond**. Greater care is needed to place the grout deep into joints before pointing the joints to compact the grout surface.

Mixing

Mix with clean water using 4.5-5 litres / 13.5kg to a thick, creamy consistency. Mix with a slow speed electric mixer and add the powder to the water. Allow to stand for 5 minutes and re-stir before use and adjust the mix to suit users requirements. The pot life is approximately 2 hours depending on the temperature.

Set Time

Approximately 24 hours dependent on temperature, humidity and surface porosity. Allow longer for dense tiles.

Application

Apply with a notched trowel. For tiles 400mm x 400mm or greater use a 12mm notch and butter tile back (as per the Australian Standard AS3958.1). The final bed thickness must not be less than 2mm for walls and 3mm for floors, to accommodate movement. Spread about 1 metre at a time. Tiles must be set in place while the adhesive is still wet on the surface. Press tiles firmly into the adhesive using a slight sliding motion. Tiles must be firmly bedded into the adhesive so no voids occur beneath the tiles. **Do not** spot fix. Movement joints (5mm) to be at 5 metre grids, corners and room perimeters are filled with a silicone sealant.

Must be applied in accordance with all relevant **Construction Chemicals** technical information: www.constructionchemicals.com.au/tech-info/

Swimming Pools / Water Features

Fix tiles in accordance with AS3958.1 and fill with water when the adhesive has set (a minimum 7 days @ 23°C). Allow longer in cooler conditions. **Hydralite** is suitable for domestic applications. For commercial use and in high flexing situations use **Kemgrip Floor & Wall** mixed with **Elastacrete**, **Mosaicbond** or **Ultima**.

Clean Up

Remove excess adhesive while the adhesive is wet.

Grouting

Grout after adhesive has initially set, approximately 24 hours. Use **Kemgrout** mixed with **Primebond**. Immersed applications i.e. swimming pools, grout with **Kemgrout Sanded** only mixed with **Primebond**.

Safety Precautions

Non-toxic but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Safety Data Sheet (SDS). Refer; **Hydralite - SDS**

Precautions

- Not suitable for moisture sensitive stone
- Do not apply at temperatures below 10°C and above 30°C
- Movement joint in tiled surfaces as per AS3958.1 (as a guide: Floors - around the perimeter and 5m intervals and 6mm wide. Walls - at 3-4.5m intervals and corners. Externally at story height intervals)
- Do not tile over existing tiles in immersed conditions
- Do not use for direct tiling to timber or timber composites, metal or plastic
- External tiling not to exceed 3m in height
- Post and pretensioned concrete must be treated as flexible
- Not suitable for fibreglass pools or spas
- Suitability of mesh backed mosaics must be established prior to commencement

Shelf Life

When stored in the original, unopened packaging, in a dry place @ 23°C @ 50% relative humidity, the product has a 12 month shelf life.