

TECHNICAL DATA SHEETS

PERMOFIX

DESCRIPTION PermoFix is a cement-based tile adhesive for interior and exterior wall and floor applications. Ideal to fix of mosaic, ceramic, stone brick and cement tiles to cement based plasters.
PermoFix is not appropriate to be used for fixing Porcelain tiles instead PermoFix Xtra should be used.

- CHARACTERISTICS**
- Easy to mix and apply
 - Water resistant when dry
 - Flexibility of mix
 - Long storage life
 - Can be used as a thin or thick bed adhesive
 - Manufacturing control ensures consistent high quality of mix
 - Good pot life

COMPOSITION Based on a hydraulic binder, a cellulose thickener and a PVA resin to impart maximum adhesion, slip resistance and moisture retention.

- SURFACE PREPARATION**
- Surfaces must be firm and free of dust, mould, oil, grease and organic material.
 - For the best tiling results, we recommend that:

WALLS

- New brick walls must be allowed to cure for a minimum of ± 4 weeks before plastering, rendering is undertaken. This plaster must then be allowed to dry for at least ± 2 weeks before any tiles can be applied.
- Off shutter concrete must cure for at least ± 8 weeks prior to tiling. For previously coated walls, the surface must be prepared to ensure that the painted wall will be able to carry the additional weight of the tiles.

FLOORS

- New concrete floors must be allowed to cure for at least ± 8 weeks before tiles are laid. If a screed is needed, the base concrete should be allowed to cure for at least ± 4 weeks before the screed can be laid. After application, the tiles can only be laid on top of this screed when the screed has cured for ± 4 weeks.
- For an existing floor covering, the surface must be prepared to ensure that the tiles bond well to the surface.

- MIXING**
- Mix to a creamy paste.
 - Allow to gel for 5-10 minutes.
 - Remix before use.
 - Add approximately 2 parts of PermoFix to 1 part of water.

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- APPLICATION**
- Spread **PermoFix** with a notched trowel to a minimum bedded thickness of $\pm 3\text{mm}$ on walls and $\pm 12\text{mm}$ on floors.
 - Heavily lugged, grooved in dovetailed tiles should be buttered with **PermoFix** before placing into wet adhesive bed.
 - Bed tiles firmly into wet adhesive bed by using a rubber mallet.
 - Remove excess **PermoFix** from the joints before drying has occurred.
 - Ensure there are no voids between the tiles and the substrate.

- APPLICATION**
- **PermoFix** remains open for 10-20 minutes. It is therefore recommended that application and fixing are carried out on no more than $\pm 1\text{m}^2$ at a time.
 - For thick bed use on uneven areas, **PermoFix** can be applied to a thickness of 12mm to give an even surface. Tiles can be fixed directly to this thick application.
 - Allow **PermoFix** to dry at least ± 24 hours before commencing grouting. The minimum grouting joint width is $\pm 2\text{mm}$ for walls and $\pm 3\text{mm}$ for floors. Remember that expansion, perimeter and movement joints need to be allowed for from the beginning. Such joints must be kept free of adhesives and filled with a suitable mastic filler.
 - **PermoFix** incorporates a water retention agent, hence it is not recommended to wet or soak the ceramic tiles before application. Soaking tiles on vertical applications will affect slip resistance.

Cleaning Wash equipment with clean water immediately after use.

PRODUCT INFORMATION	Initial Drying	± 6 hours
	Full Cure	± 24 hours
	Correction Time	± 35 minutes at 25°C
	Open Time	± 25 minutes at 25°C
	Pot Life	± 4 hours
	Shelf Life	± 6 months
	Spreading Rate	$\pm 8\text{m}^2$ (6mm trowel) per 20 kilos $\pm 4\text{m}^2$ (10mm trowel) per 20 kilos
		Depending on surface, ambient conditions, colour, dilution and application method

PACKAGING	Available in 20 kilos
STORAGE	Store in a cool and dry place, away from dampness

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SAFETY, HEALTH & ENVIRONMENT INFORMATION

- Handle with care
- Ensure good ventilation during application.
- In case of insufficient ventilation during painting, wear suitable respiratory equipment.
- Avoid contact with skin and eyes.
- If contact with skin occurs, wash well with soap and water
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Keep out of reach of children.
- Do not throw paint containers or contents in the waterways or environment.
- Contains no added **Lead/Mercury/Nickel/Cadmium**.

For further information, kindly contact our Technical Information Service.

Note: This Technical Data Sheet is subject to change without prior notice.

DISCLAIMER

This data sheet is based on extensive lab tests and field use. However, if used under unspecified conditions, the performance of the product may differ. We can only guarantee the quality of the product as supplied in its original closed container.