

PACTOTile EG 2

High Performance 2 component Epoxy Tile Adhesive and Grout



DESCRIPTION

PACTOTile EG 2 is a two component solvent-free, water cleanable, antifungal and anti-bacterial epoxy resin based adhesive and grouting system, which provides excellent adhesion and chemical resistance in medium and heavy duty corrosive and hygienic environments.

TYPICAL USES

PACTOTile EG 2 is designed to provide permanent fixing for ceramic tiles where a hygienic, chemically resistant and waterproof adhesive is required.

The product is recommended for wall and floor tiling in:

- Food processing areas and industrial kitchen
- Swimming pools
- Hospitals and Laboratories
- Plants and Electrical substations
- Heavy duty workshops and garages
- Bottling plants and breweries.

ADVANTAGES

- Good chemical and water resistant
- Good resistance to bacterial and fungal growth
- Curing is not affected by high humidity
- Impact and vibration resistant
- Available in a wide range of colours.
- Water Cleanable.

PACTOTile EG 2 should be used in critical situations where traditional cementitious adhesives are inappropriate particularly in aggressive environments. It has a good resistance to commonly encountered dilute acids, alkalis, salts, oils and fats.



STANDARDS:

ANSI A118.3,

TECHNICAL DATA (Typical results @ 23±2°C)

Comprehensive strength @ 7 days (ASTM C579-18)	>80 N/ mm ²
Tensile Strength @ 7 days (ASTM C307-18)	>12.0/mm ²
Shear Bond @ 14 days (ANSI 118.3)	>6.5 N/mm ²
Shear Bond after thermal shock @ 14 days (ANSI 118.3)	>6.0N/mm ²
Water Cleanability (ANSI 118.3-5.1)	up to 80 minutes
Dry Shrinkage @ 3 days (ASTM C531)	0.084 %
Sag in Vertical Joints (ANSI 118.3-5.4)	No sag
Working time (ASTM C308)	45 mins
Initial setting time (ASTM C308)	180 minutes
Full Cure	7 days
Mixed density	1.8kg/l±0.05
VOC (USEPA 24)	18.0 g/L

CHEMICAL RESISTANT

Very good to:

10% Lactic acid, 10% Citric acid, 40% Phosphoric acid, 50% Hydrochloric acid, 50% Sulphuric acid, Concentrated bleach, Saturated sugar solution, Saturated urea solution, White spirit, Oil, Petrol, Greases, Xylene, 10% Ammonia, 50% Caustic soda

Good to:

Butanol, Skydrol

APPLICATION

SURFACE PREPARATION

The substrate must be clean and dust free. All contaminants such as friable material, grease and oil should be removed completely.

MIXING

The total contents of the hardener should be emptied into the base component and stirred thoroughly using a drill and paddle until a smooth paste which is uniform in colour, is obtained.

APPLICATION

The mixed material should be applied to the substrate using a toothed tiling comb. The tiles should be pressed firmly in place using a twisting action to ensure good contact with the adhesive. Typical adhesive depths will approx. 3 – 4 mm. Remove any excess adhesive from the surface of the tiles with a dry cloth immediately.

The joints between tiles may be grouted using **PACTOTile EG2** applied by plastic spatula, working on a maximum area of 0.5m² at a time.

COVERAGE

Tile Adhesive: 3.7 kg/ m²@ 2mm thickness

Grout:

Tile size (w x b) mm	Tile Thickness mm	Joint width mm	Grout consumption per 1 kg
150 x 150	6	2	3.3 m ²
300 x 300	8	5	2.7 m ²

Formula for grout consumption calculation

$(\text{Width} + \text{Length}) \times \text{Joint Width} \times \text{Tile Depth} \times \text{Specific Gravity}$	= kg/m ²
Width x Length	

Above figures are theoretical values only. Allowance for wastage should be considered.

EQUIPMENT CLEANING

Tools may be cleaned using water whilst the product is in its uncured state.

Once hardened the product can only be removed by mechanical means.

PACKAGING

PACTOTILE EG 2 is supplied in 2 components 15 kg set, it is supplied in several standard colors.

STORAGE AND SHELF LIFE

PACTOTile EG 2 has a shelf life in excess of 12 months when stored in original containers in a cool dry environment. At temperatures above 35°C, the pot life will be reduced.

HEALTH AND SAFETY

PACTOTile EG 2 should not come into contact with eyes or skin, nor should it be ingested.

Ensure adequate ventilation and avoid inhalation of vapour. Wear adequate protective clothing including gloves and eye protection.

If contact with skin occurs, rinse with water then clean using soap and water.

If swallowed, DO NOT induce vomiting. Seek medical attention immediately

FLAMMABILITY

PACTOTILE EG 2 is non-flammable

FLASHPOINT

PACTOTILE EG 2

>150°C



P.O. Box no 282 676 Dubai-UAE
Tel: +971 4 770 6646
Fax: +971 4 770 6647
Visit us: www.pacttechnologies.ae



Important Note: Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, as the conditions of any labor involved in the application is beyond our control. PAC Technologies shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product. It is the responsibility of the user to ensure that the product meets his particular requirements and to use it in a suitable way. Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local PAC Technologies representative.

May – 2019