



Smartcare Tile Grout Epoxy 2 in 1

Two Comp. Premium anti-fungal Epoxy Resin Based water cleanable Joint Grout & Adhesive

Description

SmartCare Tile Grout Epoxy 2 in 1 is a premium quality two components epoxy tile adhesive and tile grout product with very easy water cleanable properties, excellent chemical resistance, high strength and easy application. It is fast curing and specially formulated for porous tiles like granite, marble, natural stone ceramic, glass mosaics and acid resistant tiles. In addition to its waterproofing and excellent workability properties, it is specially blended to produce non-sag and stain resistant when used as tile grout, non-slip property when used as tile adhesive.

CLASSIFICATION ACCORDING TO EN 12004
SmartCare Tile Grout Epoxy 2 in 1 is a classified Reactive Resin (R) improved (2) slip resistant (T) classified as R2T.

CLASSIFICATION ACCORDING TO EN 13888
SmartCare Tile Grout Epoxy 2 in 1 is a classified reactive Resin (R) grout (G) classified as RG.

Uses

- Water cleanable after grouting applications.
- Excellent water resistant and long lasting.
- Resists to boiling water and acid splashing in addition to a germ proof seal in hospitals, abattoirs, catering and laboratories.
- Excellent resistance to chemical, boil water oils, acids and alkalis.
- Eliminates bacterial growth in Hospitals, kitchens, laboratories and swimming pools.
- High bonding, compressive and flexural strength for horizontal, Ideal for on interior or exterior applications.
- Recommended for minus temperature conditions.
- Excellent shrink proof, never develop cracks.

Standards

- ANSI A108.6 & ANSI A 118.3.
- ASTM C 267-1982
- ASTM E-84
- EN 12004 : 2001 (BS 5980 Type 1 Class A)
- ANSI A.118.4, ANSI A108.4-1999
- BS 1881 Part 207:1992, BS 6319, DIN 18156 Part 2
- EN 12004, EN 12002, EN 1348, EN 1346

Properties

Water Absorption	0%
Density	1.95 kg/ltr
Application temperature	+5° C
Temperature Resistance	-5 to +80°C
Pot Life @ 30o C	40 minutes
Open time @ 30o C	25 minutes
Initial setting @ 30o C	6-8 hours
Cleaning duration 30o C	30 minutes
Final setting @ 30o C	Approx. 7 days
Compressive Strength (BS 6319 Part 2)	>70 N/mm ²
Flexural Strength (BS 6319 Part 3)	>25 N/mm ²
Tensile Strength	>15 N/mm ²
VOC	< Limit
Colours Available	White & Grey



Chemical resistance

Nitric Acid 10%	Excellent
Mineral Spirits	Excellent
Detergents-Diluted	Excellent
Cooking Oils	Excellent
Sulfuric Acid 10 %	Excellent
Hydrochloric Acid 10 %	Excellent

Packing

Resin – 3.8 kg
Hardener – 1.2 kg

SmartCare Tile Grout Epoxy is packed in 5 Kg/set consisting of pre-weighed resin and hardener

SmartCare Tile Grout Epoxy have a shelf life of 12 months if kept in a dry store in the original, unopened bags or packs at 25°C

Coverage

Approx 7-9 m²/Kit of tiles
15 x15 @ 2 mm width.

Methodology

Surface Preparation:

Grouting: Make sure tiles are firmly set and tile joints must be clean and free of foreign matter, sanding water, dust and dirt. Tiling: New concrete must be a minimum 28 days old. The surface to be covered shall be sound, dry, rigid, clean and free from impurities like grout, dirt, debris, oil, grease, loose plasters etc.

Mixing

SmartCare Tile Grout Epoxy 2 in 1 is a two-component system. Strictly recommended to use a slow speed drill or mixing blades. Use an empty cleaned container for mixing. Mix by adding the entire reactor to the base and stir thoroughly, until a smooth and lump free paste is obtained. It is recommended to mix total quantity at one time

Application (Grouting)

Grouting: Tile grouting application should be carried out after 48 hours of tile installation. Grouting application should not be done during extreme hot (>45°C) climatic conditions. Apply to all the tile joints and porous areas on the tile with a plastic spatula, working not more than half square meter at a time. Remove surplus grout before it sets with a cloth soaked in clean water. The pot life is about 30 minutes after mixing depending on the ambient temperature

Tiling: Mix the two components and spread the adhesive over the surface using a serrated trowel. Tile should be placed within the open time of the adhesive. Press firmly the tiles to ensure a good adhesion and remove surplus material from the face of the tile immediately.

Cleaning

Use water to clean the tools before it set. Surplus materials from tiles should be cleaned with water absorbed cloth or sponge before initial setting. Do not pond the water on the grouted areas before complete drying

Curing

Use a damp rough textured sponge to clean the grout

Precautions & Limitations

- Never apply the Epoxy Tile Grout on wet/damp surface.
- Always apply on completely dry tile joints.
- Do not allow water to flow/run into ungrouted joints while applying.
- Never add water to Epoxy Tile Grout.
- Never add water into Grout mix.
- Apply masking tapes along tile grouts while working on unglazed floor tiles, natural stone tiles with matt glaze or textured surfaces.
- Part mixing is not recommended.

Health & Safety Features

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labelling.

Note: The information supplied in our literature or given by our employees is based on extensive experience and, together with that supplied by our agents or distributors, is given in good faith to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of work, we accept no liability for any loss or damage which may arise as a result thereof.

Version No. V06 02/23. Please note that this datasheet supersedes all previous versions UAE



For enquiries, feedback and complaints please contact or write to us at
Oman : 800-01790 weassure.oman@asianpaints.com
U.A.E : 800-27237437 weassure.uae@asianpaints.com
Bahrain : 800-08098 weassure.bahrain@asianpaints.com
Qatar : +974-44693489 weassure.qatar@asianpaints.com