

SENTOL EPOXY TILE GROUT TDS

PRODUCT INTRODUCTION

Sentol Epoxy Tile Grout is a high-performance, two-component epoxy grout formulated from advanced polymer epoxy resin, hardener, premium pigments, and additives. It comes in a semi-fluid form and is conveniently packaged in a dual-component cartridge, allowing for easy application with an automatic caulking gun.

PRODUCT FEATURES

This product offers exceptional bonding strength and outstanding physical properties, including non-sagging characteristics, as well as resistance to tearing, scratching, and wear. Once cured, it provides superior protection against mildew, bacteria, stains, and water. It is also moisture-proof, durable, and comes in vibrant colors with a smooth, porcelain-like finish. The grout is easy to clean, and the application process is simple and convenient.

PRODUCT APPLICATION

Sentol Epoxy Grout is ideal for bonding, filling, and enhancing the joints of ceramic or stone building materials. It is suitable for use on ceramic tile floors, tile walls, washbasins, bathtubs, toilets, kitchen countertops, door thresholds, and more.

MECHANICAL PROPERTY

| Testing Item | Resin A | Hardener B |
|-------------------------|-------------------|-------------------|
| Appearance | Semi-fluid liquid | Thixotropic paste |
| Blend Ratio (by volume) | A : B = 1 : 1 | |
| Odor Grade | ≤3 | |
| Chromatic Aberration ΔE | ≤1.5 | |
| Working time (25°C*min) | 35 ± 5 min | |
| Original Curing | 25°C*6h±1 | |

| | | |
|---|------------------------------|------------|
| Hardness (Shore D) \geq | 60 | |
| Colloidal fluidity after blending | Thixotropic fluid | |
| Bonding Strength/MPa | ≥ 5.0 | |
| Wear Resistance (750 g.500 r)/g | ≤ 0.030 | |
| Sagging after blending | No sagging | |
| Tensile Shear Strength/MPa | Standard condition | ≥ 5.0 |
| | High/low temperature switch. | ≥ 3.0 |
| Water absorbent 25°C24 hour (%) | < 0.2 | |
| Waterproof / 24h | No change | |
| Chemical Resistance / 2h | No change | |
| Stain Resistance (Vinegar, soy, oil)/ 1h | No change | |
| Testing condition: 21-25°C,relative humidity 45-55%. Constructed by caulking gun. | | |

APPLICATION METHOD

1. Clean the surface of the ceramic, removing any dirt, dust, glue residue from the joints, and any objects like plastic spacers.
2. Apply masking tape along both sides of the joints, or use oily wax on the edges of the tile gap to prevent sticking.
3. Unscrew the tube cap, attach the nozzle, and cut it to the appropriate size—ideally 1mm larger than the joint. Load the cartridge into the caulking gun.
4. Discard the first 20-30 cm of grout to ensure thorough mixing of the material.
5. Use the caulking gun to apply grout evenly into the tile joints, first horizontally, then vertically.
6. Use a pressing plate to smooth the grout to the desired finish.
7. Follow the curing time guidelines:
 - 0-12°C: 8-12 hours
 - 12-24°C: 6-8 hours
 - 24-36°C: 4-6 hours

Carefully remove any excess grout using your hands or the provided scraper.

PACKAGE

400ml per plastic cartridge

SHELF LIFE

24 months when stored in a cool, dry place away from light.

CAUTION

1. Waste removal time ranges from 4 to 24 hours, depending on temperature (e.g., 4 hours at 35°C, 6 hours at 25°C, 12 hours at 15°C, and 24 hours at 5°C). Lower temperatures require longer curing times.
2. Grout should be stored at temperatures above 5°C.
3. The ideal temperature for application is between 15-30°C; lower temperatures may affect curing time and strength.
4. Ensure no impurities, dust, grease, or water are present during application.
5. Avoid touching or stepping on the grout until it is fully cured.

STATEMENT

As the conditions and methods of use are beyond our control, users must determine the suitability and most appropriate application of the product. We only guarantee that the product meets the relevant standards.