



RAINBOW

SELF-LEVELING EPOXY RESIN MORTAR

PRODUCT NAME	1029
TYPE	A self-leveling resin mortar composed of epoxy resin, a special curing agent, and graded silica sand.
APPLICATIONS	Heavy machinery plants, chemical plants, electronics factories, assembly plants, laboratories, GMP pharmaceutical facilities, operating rooms, underground parking lots, ramps, garages, and similar flooring areas.
CHARACTERISTIC	1.Strong adhesion to cement and steel substrates; does not crack or delaminate. 2.Excellent mechanical strength, capable of withstanding forklift and heavy vehicle traffic. 3.Resistant to a wide range of chemicals including acids, alkalis, and solvents. 4.Unaffected by temperature fluctuations between hot and cold; no deformation. 5.Excellent grindability and leveling properties; does not clog sandpaper. 6.After troweling, the mortar surface self-levels, does not bleed oil, and can be topcoated directly with solvent-free coatings without the need for a putty layer — saving time and labor.
COLOR	Natural color
VOC CONTENT	Less than 10 g/L
VOLUME SOLID CONTENT	96%↑
OPTIMUM FILM THICKNESS	1–3 mm (thick-coat type) with added sand; 0.3–0.5 mm (thin-coat type) without sand.
THEORETICAL COATING	7.0Kg/m ² (3mm) 0.27Kg/m ² (0.3mm)
APPLICABLE COATINGS	Primer: NO.1073, NO.1073SL, or company-recommended primers Topcoat:No.1001 Evercoat Finish (EP-04) No.1015 Evercoat Solvent-Free Topcoat No.2005 Evercoat Texture Coating No.2006 Evercoat High-Solids Anti-Slip Coating Additive: SP-12 Evercoat Thinner, or company-specified thinner
SPECIFIC GRAVITY	1.0 Kg /L or more (resin mixture) 1.5 Kg /L or more (including sand)
VISCOSITY	1000-2800cps only resin
PACKAGING SPECIFICATIONS	Gallon Set:Base Resin: 4 kg Hardener: 2 kg Sand: 10 kg Full Set:Base Resin: 20 kg Hardener: 10 kg Sand: 50 kg
RECOMMENDED NUMBER OF COATS	One coat or as specified based on substrate conditions.
MIXING AND THINNING	Thinner: No.1005 EverNew Thinner (SP-12) Thinner Usage: Do not mix (for cleaning tools only) Mixing Ratio: Base: Hardener: Silica Sand = 20:10:50 (by weight) or as specified by the company Usable Time: 20 minutes (resin mortar mixture at 25°C)
APPLICATION METHOD	Trowel Application (Thick Coating Type) Roller Application (Thin Coating Type)
DRYING TIME	Touch Dry: Within 6 hours (25°C) / Within 10 hours (15°C) Hard Set: Within 24 hours (25°C) / Within 48 hours (15°C) Full Cure: 7 days (25°C) / 10 days (15°C)
RECOAT INTERVAL	At 25°C: Minimum 24 hours At 15°C: Minimum 48 hours Topcoat Application (Epoxy, PU Finish, or Company-Specified Finish – Surface Must Be Clean and Contaminant-Free): At 15°C: 48 to 60 hours At 35°C: 24 to 48 hours

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YUNG CHI PAINT & VARNISH MFG. CO., LTD.

No.26,Yen Hai 3rd Road, Kaohsiung, Taiwan.
<http://www.rainbowpaint.com.tw>

TEL:886-7-8713181
FAX:886-7-8715443



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STORAGE STABILITY
PRECAUTIONS

Shelf Life: At least one year under normal conditions.

- 1.The base and hardener must be thoroughly mixed according to the specified ratio before adding graded silica sand and mixing evenly.
- 2.Moisture, grease, sludge, dust, and other contaminants on the substrate surface must be completely removed.
- 3.Avoid application during rainy conditions or when the relative humidity exceeds 85% RH. In particular, ensure the surface is completely dry before proceeding if it is damp.
- 4.The moisture content of the cement surface must be below 12%. If it exceeds 12%, forced drying with a torch is required.
- 5.The compressive strength of the cement surface must be at least 150 kg/cm², and it must be free of oil stains, loose particles, or dust.
- 6.Wear gloves during application to avoid skin contact.
- 7.The mixing ratio provided is the standard ratio. For other requirements, please consult our technical department.

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