

EPOXY RESIN DY - 101

Epoxy DY-101 is a two-component Epoxy compound: Epoxy resin (A) and hardener (B). Product is both used as an adhesive and sealant in industry and civil. Especially, product has manufactured in accordance with weather, climate of Vietnam

APPLICATION RANGE

- Sealant and adhesive for stone, granite, tile
- Sealant and adhesive for wood, metal (building and repairing ships, wooden floors), ceramics...
- Sealant and crack filling for concrete walls and floors
- Patching small and medium holes on concrete surfaces
- Adhesive for anchor re-bar to concrete, anchor bolts to install machinery to concrete floors/foundation

FEATURES & BENEFITS

- Two-component epoxy resin-based adhesive, mixing ratio 1:1 to form an adhesive with very high adhesion, high strength and water sealed
- Can be applied on damp surface (> 75% RH), chemicals and abrasion resistant
- Withstand in sea water, resistance to gasoline, some acids, alkalis...
- Durable and especially suitable for weather and climate of Vietnam
- Easy to use
- Easy to mix and use (1:1 mixing ratio)
- Non-sagging even at high temperature
- Non shrinkage
- Early and high strength
- Difference color between two components (A) and (B), easy to control in mixing

SURFACE PREPARATION

- The substrate should be dry (surface humidity \leq 75% RH), clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product . For smooth surfaces that need sanding with a special grinding wheel

MIXING

- Strictly follow the ratio A:B = 1:1 (by weight). Mix thoroughly until a homogenous mixture achieved, mix enough for application in about 20 minutes only

APPLICATION

- Apply the mixed product using steel trowel, spatula or by hand wearing protective gloves. When used as a repair mortar, formwork might be needed

Product datasheet

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Version 01

EPOXY RESIN DY-101

PACKAGING & STORAGE

- 20 Kg/Set (Pail A: 10 Kg, Pail B: 10 Kg)
- 2 Kg/Set (Pail A: 1 Kg, Pail B: 1 Kg)
- Product shelf life is 36 months (at 5-30°C). Keep un-opened pails in dry, well ventilated storage. Avoid any contact with moisture, water and alcohol. Use the product as soon as the lid has opened

TECHNICAL DATA

Density:	1.7kg/litter
Mixing ratio (by weight)	Part A:B = 1:1
Consumption	~ 1.5kg/m ² /mm thick depending on porosity, roughness of the surface
Bond Strength (ASTM C 882-13)	8.4MPa
Adhesion strength after 14 days On concrete substrate (ASTM D 7234-19)	3.22MPa
Tensile strength (ASTM D 638-14)	1.8MPa
Compressive Strength (ASTM D 695-15)	21MPa
Flexural Strength (ASTM D 790-15)	6.4MPa
Thickness	Vertical: 3cm max /application Horizontal: 1cm max /application

POT LIFE (2 Kg SET)

Temperature (°C)	Time
30	20 Min
20	35 Min
10	1.4 Hrs
5	2.3 Hrs

PRECAUTIONS

Should apply in a well-ventilated area, keep away from any smoke, fire source; Use a fan if necessary. Wear a safety equipment such as respirator, glove goggles. In case of contact with eyes, rinse eyes with plenty of water and seek for a physician care as soon as possible. Note that solvents are volatile substances. Please read all information in product data sheet before applying. These information may be updated without prior notice. Please contact us or visit our website for updated technical data and instructions.

DISCLAIMER

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