

# EPOXY RESIN D - 200

D-200 is a 2-component epoxy-based structural reinforcement product with superior chemical formula, low viscosity, and high permeability to help the material easily move into the holes in the concrete. good hardness, curing without shrinkage, can be suitable for all connecting structures, reinforcement, reinforcing cracks in structures such as columns, beams, foundations, floors and water-retaining structures. The product not only forms an effective waterproof barrier, but also acts as a bonding layer between concrete components, thereby restoring the original strength of the concrete structure.

## APPLICATION RANGE

- Used to pump cracks in dry concrete surfaces.
- Used to pump the openings for gluing reinforced steel plates.
- Used to pump gaps around bolts.
- Used to pump circuit to stop concrete.
- Mix with quartz sand to form a mixture to repair honeycomb holes on concrete surfaces or create corners for walls and floors.

## NOTES

- The maximum width of the pumpable crack is 5mm.
- The minimum age of new concrete is 3~6 weeks.
- Minimum temperature of concrete to be pumped is: +10 °C.
- The maximum permissible temperature of the substrate is: +30 °C.

## FEATURES & BENEFITS

- No solvents.
- Easy to use due to low viscosity.
- Easy to inject into crevices and handle thoroughly.
- The time allowed to apply after mixing is long.
- Excellent hardness, no shrinkage.
- Very high mechanical strength and adhesion strength to concrete surfaces.

## PACKAGING

27 Kg/Set (component A: 18Kg, component B: 9Kg)  
9 Kg/Set (component A: 6Kg, component B: 3Kg)

### Product datasheet

Date: 15/07/2022

Version 01

EPOXY RESIN D-200

**TECHNICAL DATA (CERTIFICATE: TEST RESULTS MADE IN KOREA)**

<b>Color</b>	Light yellow / colorless
<b>Mixing ratio</b>	A:B = 2:1 (by weight)
<b>Compression strength</b>	> 100 N/mm <sup>2</sup> (KS F 4923:2005)
<b>Tensile strain at break</b>	4% (KS F 4923:2005)
<b>Tensile strength</b>	> 50 N/mm <sup>2</sup> (KS F 4923:2005)
<b>Adhesive strength</b>	> 6.5 N/mm <sup>2</sup> (KS F 4923:2005)
<b>Hardened shrinkage</b>	0.3% (KS F 4923:2005)
<b>Slant shear adhesive strength</b>	> 20 MPa (ASTM C882/C882M-13a)
<b>Pot life</b>	90 mins ± 10 (25°C)
<b>Touch dry</b>	18 hours ± 5 (25°C)
<b>Fully chemical cured</b>	24 ~ 36 hours (25°C)
<b>Ability to work</b>	Allows pumping into small cracks less than 0.3mm
<b>Theoretical norms</b>	~ 6 Kg/m <sup>2</sup> when injected into the 5mm gap of the reinforcing steel plates. ~ 3.6 Kg/m <sup>2</sup> when injected into 3mm gap of porous concrete structure

**GUIDE  
USE**

There are many different construction methods with different equipment, depending on the nature of the work to be done. Therefore, it is necessary to contact the technical department of Euro Paint company for further instructions

**INFORMATION  
ABOUT  
HEALTH AND  
SAFE**

- In the liquid state the product contaminates the water, do not dispose of the product into sewers or watercourses.
- Dispose of waste according to local regulations.
- Component A: hazardous, Component B: hazardous, may cause burns or serious eye damage.
- The product may cause skin allergies. Wear gloves and safety glasses when using the product. If product gets into eyes, immediately clean with water and see a doctor without delay.

**STORAGE**

The product should be stored at a temperature of 5~30°C in a place without moisture, in a cool, dry place. Minimum 12 months if stored properly in original unopened packaging.

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## 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.

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## DISCLAIMER

*All guidance, recommendations, reports and technical data contained in this document are based on information and testing we believe to be reliable and accurate, but the accuracy and completeness of the articles of above inspection is not construed as warranty. It is the user's responsibility to clarify themselves with the information and to check to determine the suitability of the product for its own use, application and work situation. We do not recommend or guarantee that any of the hazards listed here are the only ones that may exist. Neither the seller nor the manufacturer shall be liable to the buyer or a third party for any loss or damage directly or indirectly resulting from the use or inability to use the product. Recommendations or representations, whether written or oral, except as outlined in this document are not binding on the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the appropriate materials and application procedures. Test results have been obtained based on a lab condition and Euro Paint Vietnam Co., Ltd. does not believe that these tests or any other test, are accurate for all environmental conditions.*

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