



Preformed Thermoplastic Primer

ITEM NUMBER *DBL 007*

DESCRIPTION

DBL 007 is a two-component, 100% solids, moisture-tolerant, low to medium viscosity, high strength, low modulus, multi-purpose liquid epoxy adhesive and primer .

WHERE TO USE

Used as a primer for on Preform Thermoplastic Road Marking Systems on portland cement concrete and worn asphalt pavements. Use to enhance the adhesion of the thermoplastic markings and create a moisture barrier. Excellent for both thermoplastic striping work and stencils.

ADVANTAGES

- High strength, low modulus epoxy primer
- Rapid cure return to traffic formula
- Technical support 24/7 from experienced technicians
- Two year shelf life
- Convenient 1:1 mix ratio by volume
- Improves the adhesion of thermoplastic to concrete and worn asphalt
- Made in the USA
- Excellent moisture barrier
- 100 % solids and VOC compliant

ESTIMATED COVERAGE

Please contact the technical department as pavement surface varies in texture, coverage rate guidance will be based upon the data provided.

- Concrete: 40 sq ft / gallon
- Aged Asphalt: 35 sq. ft. / gallon

PACKAGING

- 600 ml cartridge
- 2 gal / 7.6 L pails
- 10 gal / 38 L pails
- 500 gal / 1,893 L totes

TECHNICAL DATA

| | | |
|--|---|----------------------|
| Shelf Life: | 2 years in original unopened container. | |
| Storage Conditions: | 40°F – 95°F (5°C – 35°C). | |
| Condition material to: | 65°F – 85°F (18°C – 29°C) before using. | |
| Mix Ratio | 1:1 by volume | |
| Viscosity @ 77 °F | 2,000 cps | 1,500 cps for LPL |
| Gel Time (60 g mass) | 20 minutes | 25 minutes for LPL |
| Tack Free Time (73°F or 23°C) | 3 to 5 hours | |
| Tensile Properties (ASTM D638), 7 day cure | Tensile Strength: | 2,800 psi (19.3 MPa) |
| | Tensile Elongation: | 40% |
| Bond Strength (ASTM C882) | 2 day cure: | 2,000 psi (13.8 MPa) |
| | 14 day cure: | 2,800 psi (19.3 MPa) |
| Bond Strength (ASTM C1583/ACI 503R) | 300 psi (2.0 MPa) | |
| Flexural Strength (ASTM D790) | 3,000 psi (20.9 MPa) | |
| Thermal Compatibility (ASTM C884) | Pass | |
| Chloride Ion Permeability (AASHTO T277) | 0.0 coulomb | |



DBL007 

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SURFACE PREPARATION

General Guidance Recommendation

Concrete must be clean and sound. Concrete should be visibly dry. No standing water. Concrete moisture levels must be less than 5 % when measured using a multi-pen moisture meter.

Remove dust, laitance, grease, curing compounds, impregnations and other contaminants. Concrete surfaces should be shot blasted to a CSP 3-5 per ICRI.

Condition material to 65°F - 85°F (18-29°C) for optimum application. Minimum age of concrete 21- 28 days, depending on mix design. Minimum age of asphalt is 30 days and 75 % aggregate exposure.

APPLICATION

MIXING:

1:1 Ratio

Pre-mix each component. Mix only the amount of material that can be used within its pot life. Proportion each component carefully into a clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400-600rpm). Scrape the sides and bottom of the container. To prepare an epoxy patching mortar, slowly add 2-3 parts of oven-dried silica sand to 1 part of mixed epoxy by volume. Mix only until all aggregate is wetted out.

LIMITATIONS

Minimum substrate and ambient temperature is 50°F (10°C) for all applications.

Maximum substrate and ambient temperature is 95°F (35°C) for hand mix or semi-automated installations.

Maximum substrate and ambient temperature is 125°F (52°C) for fully automated installations.

Do not thin. Solvents will prevent proper cure. Use oven-dried aggregate. Material is a vapor barrier after cure.

CLEAN UP

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

STORAGE

40 - 95°F (5 - 35°C) in clean and unopened containers. Shelf life of properly stored material is two years.

LIMITED WARRANTY

All information provided concerning products, including but not limited to, any recommendations and advice relating to the application and use of products, is given in good faith based on current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with manufacturers instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of manufacturers control are such that manufacturer assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the product(s) must test the product(s) for suitability for the intended application and purpose before proceeding the full application of the product(s). Manufacturer reserves the right to change the properties of its products without notice. All sales are subject to its current terms and conditions of sale.

Prior to each use of any product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Safety Data Sheet which are available online. Nothing contained in any materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use.

Manufacturer warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet when used in accordance with the written instructions. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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