



MASILEX GP2

TECHNICAL DATA SHEET

Rev. 1/2025

STRUCTURAL BONDING THIXOTROPIC EPOXY

Features

Thixotropic with soft consistency. Adheres to concrete surfaces even if damp. High Structural adhesion on various materials. Cures without shrinkage. Good resistance to chemicals. Suitable for permanently immersed structures underwater. Can be used in waterproofing projects. Repairing joints and corners.

Field of use

Bonding steel to concrete in structural work. Bonding Composite material. Sealing large cracks (above 1mm). Other bonding works with natural stone, bricks, aluminium, wood, glass and polyester

Mixing and application

Substrate preparation

The surface of application must be solid, clean (free of dust and oils) and strong (concrete surfaces must be fully cured - at least 28 days) .

Steel surfaces must be rust and dust-free and oil-free

All the work should be done in the shade away from direct sun exposure

Product preparation

Mixing ratio 1:1 by weight. Pour Part (B) into part (A) and mix using low speed helical agitator. Mix well until homogeneous and uniform in color. If using partial quantity please use digital scale and mix 1:1 by weight.

Apply, the mix, using trowel or injection machine. Apply on both surfaces to be joined. Firmly, Maintain the two surfaces together until the epoxy hardens.



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Safety

In the application of this product it is advisable to use goggles, rubber gloves and all the PPE required by the laws on the use of chemical substances.
For all the additional information consult the material safety data sheet of the product.

Chemical characteristics

Density	1,55 ± 0,05 kg/l EN ISO 2811-1
Colour	Grey
Pot life at 22°C	60 ± 10 minutes EN ISO 9514
Determination of maximum workable life depending on temperature	At +5°C: 150 minutes At +20°C: 100 minutes At +40°C: 40 minutes EN ISO 951
Mixing ratio By volume and by weight	1:1
Adhesion on wet concrete	>3,5 MPa EN 13578
Adhesion on sandblasted steel	>7 MPa ASTM D4541
Compressive strength	53 MPa EN 12190
Flexural strength	23 MPa EN 12190
Shear strength	>8 MPa EN 12615
Modulus of elasticity	2800 MPa UNI EN 13412
Adhesion concrete to concrete	>2,8 MPa EN 12636
Adhesion to concrete, water sensibility	>3,5 MPa EN 12636
Coefficient of thermal expansion	< 90 µm/m/°C UNI EN 1770
Durability	Pass EN 13733
Application temp	5 C° - 35 C°
Total shrinkage	< 0,1 % EN 12617-1

Curing

At 22°C, 50% R.H.	
-Open time	5 hours and 30 minutes
-Cured deeply	13 hours
-Complete curing	7 days

Consumption

1.56kg/M2 per 1 mm. Thickness

Tools cleaning

The tools must be cleaned with solvent after use.

Storage

The product in the original sealed packaging, stored in a dry and sheltered place at a temperature comprised between +5°C and +35°C, shelf life in original sealed package 24 months.

Packing

2 kg set (A: 1 kg + B: 1 kg)

6 kg set (A: 3 kg + B: 3 kg)

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

Trademark

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