



MAXEPOX[®] BOND - G

TWO COMPONENT EPOXY ADHESIVE

DESCRIPTION

MAXEPOX BOND – G is a two component epoxy adhesive, designed for bonding metal plates onto concrete, and construction elements to each other.

USES

- Specifically designed for the bonding metal plates onto concrete for structural reinforcement.
- Fixing of anchorage bolts, etc.
- Fixing of elastic bands for expansion joints.
- Bonding of prefabricated concrete elements or other materials.

ADVANTAGES

- Exceptional adhesion capable of transmitting high loads.
- Excellent mechanical properties.
- Very good resistance to chemical agents and weathering.

APPLICATION INSTRUCCIONS

Preparation of the substrate: The substrates must be adequately prepared prior to the application of the bonding agent, as explained in our technical note *Recommendations for the use of epoxy base bonding agents*. The substrate must be clean, free from grease, oils, dust and loose particles. It must also be sound, resistant, dry and at an appropriate temperature. Steel must be shot or sand blasted up to AS 2 ½ . If there is a risk of corrosion after blasting, the surface must be coated with an epoxy protection such as MAXFLOOR and sand sprayed on it while fresh to improve adhesion.

Mixing: MAXEPOX BOND – G is supplied in pre-weighed sets. The hardener, component B is black in colour, is poured into the resin, component A which is white. Make sure to pour all of component B, to ensure a proper reaction. Mix both components manually or with a low speed mixing drill, until a homogeneous product is achieved, both in colour and appearance. It is advisable that once the two components are well mixed, the product should be poured into a clean container.

Check the technical data table for the “pot life” of the product, that is the time it takes to harden after mixing inside the container. For 5 kg. at a temperature of 20 °C, the “pot life” is 75 minutes.

Application: Apply MAXEPOX BOND – G on the surface to be bonded using a short hair brush, roller or spatula, etc. Apply a homogenous thickness, with enough thickness to ensure contact of all the surface to be bonded. Coverage will be between 0.5 and 2.0 kg/m², depending on the state of the substrate.

Warning concerning application: MAXEPOX BOND – G has been designed to be applied on dry surfaces and at hardening temperatures above 5 °C. If the concrete contains any humidity, it is not

enough to dry the surface with hot air, because the humidity inside the concrete mass will quickly rise to the surface.

MAXEPOX BOND – G does not harden if the temperature is below 5 °C, in such a case it will be necessary to create on the substrate appropriate conditions at least during the time the hardening takes place.

(See Technical data table. At 10 °C, the hardening time is 5 days).

Open time: The element to be bonded must be placed in the open time interval. Consult the technical data table, (at 20°C the time is 2 hours).

Cleaning: The tools can be cleaned with MAXEPOX SOLVENT. Do not use any solvent at all for personal cleaning. Instead use soap, detergents or especial products.

PACKAGING

MAXEPOX BOND – G is supplied in pre-weighed sets of 2 and 5 kg.

STORAGE

One year when stored in air-tight containers in a temperate and dry place, avoiding temperatures below 5 °C and direct sun exposure.

Prolonged storage and temperatures below 5 °C produce the crystallising of the product. Should this happen, in order to return the product to normal conditions it must be heated between 80 and 90 °C while being regularly stirred.

CAUTION

Avoid contact with the skin, mucous membranes, etc. Do not inhale vapours produced during heating or combustion. Observe the usual precautions necessary for the application of this type of products.

TECHNICAL DATA

Proportion of components A:B (by weight)	1 : 0.48
Pot life 10 °C / 20 °C / 30 °C (minutes)	150 / 75 / 20
Open time 10 °C / 20 °C / 30 °C	4 h/ 2 h/ 45 min.
Curing time 10 °C / 20 °C / 30 °C (days)	5 / 4 / 3
Compression strength (Kp/cm², 24 h. 20 °C)	800
Flexural strength (Kp/cm², 24 h. 20 °C)	200
Adhesion to concrete (Kp/cm², 20 °C)	> 35 (Breaks the concrete)
Elasticity modulus (Kp/cm², 24 h. 20 °C)	170.000
Minimum hardening temperature (°C)	> 5
Consumption (kg/m²)	0,3 - 1,0

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. Our guarantee covers exclusively the quality of the manufactured product. We shall not accept responsibility exceeding the value of the purchased product.



DRIZORO, S.A.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJON DE ARDOZ – MADRID (SPAIN)
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13

e-mail: info@drizoro.com Web site: drizoro.com

