

Product

# DUROGLASS P 1/2

cod. 4519 M040  
9004 0000



## EPOXY RESIN BINDER AND PRIMING SYSTEM

Characteristics

- High mechanical features.
- Very low VOC, lack of odour and irritating emissions.
- Versatility of use according to the type of hardener used.
- Rapid hardening.
- Good resistance to carbonation, lack of exudation and crystalization.
- Can be applied from +10°C to +35°C.
- Operating temperature from -25°C to +60°C (unfilled resin).

Application fields

- Priming of substrates for successive various coating systems.
- Resin binder for quartz sand to create epoxy mortars and scratch coat layers.
- Multi-layer applications.

Application

Multy purpose two components product to be mixed before addition of fillers or application.

**Duroglass P1/2:** hardener as primer (for levelling), suitably filled with quartz, for surfaces with no substrate dampness <4%.

**1. As primer: Priming-roller**

To be used as primer apply by roller with a consumption rate between 0,3-0,6 Kg/m<sup>2</sup>.

**2. Scratch coat**

A trowelled version can be obtained by mixing the compound (A+B) 1: 0,5 in ratio with quartz (0,1-0,3mm). Use 0,4 Kg/m<sup>2</sup> of pure product (0,6 Kg/m<sup>2</sup> of admixture).

**3. High build screeds (7-10mm)**

Charge the compound (A+B) 1:10 with a S1 selected quartz mix and cast the "dry mortar", level and smoothen by power trowelling.

Alternatively: **for colored quartz screeds (4-8mm)**

Charge the compound (A+B) from 1:4-1:6 with a colored quartz mix and trowel by hand or power trowel with a light machine or by disc.

The over-application interval between the various coats is indicatively the following on the basis of the temperature of the substrate and environment:

10°C 8-24 hours

20°C 5-16 hours

30°C 3-8 hours.

Tools to be washed with Diluente 21 thinners immediately after use.

Technical  
specifications

**Duroglass P1/2 and P1/2 rapid (resin + hardener)**

<b>Colour</b>	Pale-yellow transparent
<b>Specific weight</b>	1.08 ± 0.02
<b>mixing ratio</b>	100 parts in weight of resin 50 parts in weight of hardener
<b>Viscosity 20°C</b>	1000 ± 20 mPa.s
<b>Pot-life 22°C (275 g)</b>	50 minutes
<b>Hardening at 22°C, 50% U.R.</b>	- dry to touch 6-8 hours - over-application 12 hours - walkable with caution 48 hours - completely hardened 10 days
<b>Resistance to compression UNI EN ISO 604</b>	> 55 MPa
<b>Resistance to flexotraction UNI EN ISO 178</b>	> 50 MPa
<b>Hardness Shore D ASTM D 2240</b>	> 75
<b>adhesion to concrete ASTM D 4541</b>	> 3,5 MPa or breakage of concrete.
<b>Storage</b>	If kept in the original packaging, sealed, in a dry and protected place, at a temperature between +5°C and +35°C the product will keep for 12 months.

The data and prescriptions contained in this schedule, based on the best practical and laboratory experiences, are to be considered in any case indicative. Given the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical direction of application, etc.) those intending to use the product are held to establish whether it is suitable or not for the intended use. Our guarantee extends only to the quality and consistency of the finished product with the data given above, and only for technical schedules bearing the stamp and countersignature of the personnel delegated by our offices. The customer is further held to verify that these values are valid for the product batch concerning him and have not be updated and/or substituted by subsequent issues and/or new formulations. The data contained may vary at any moment without any obligation on the part of MPM to give prior notice.