

Product

# DUROGLASS FU RAPID

cod. 4604  
9291 0000

**SPECIAL 2 COMPONENT FAST CURE EPOXY BASED PRIMER FOR  
DAMP, MOISTURE CONTAINING SUBSTRATES.**



Features

- VOC close to "0" and water based.
- Gains structural adhesion on both compact, close grained or porous construction materials, even if humid and non-completely cured concrete (green concrete).
- Forms an effective barrier against back pressure through the substrate.
- Forms a waterproof layer, can be applied to damp substrates.
- Excellent substrate sealer.
- Can be over coated with both transpiring and water and vapor proof coating systems.
- Cures perfectly at temperatures close to +5°C and very high R.H.
- The fast curing time at temperatures close to 20°C, allows several daily over applications.
- Once fully cured and finished with suitable finishing coats, it resists up to 10 bar water back pressure.
- Application temperature from +5°C to + 30°C of the substrate.
- Operating temperatures from -35°C a +110°C.

Application fields

- Wide range multi-purpose adhesion enhancer. This primer is compatible with severe concrete conditions (temperature, humidity).
- Suitable for the treatment of humid concrete substrates and over-coating with
  - floor coatings
  - seam-less waterproofing systems
  - anticorrosive rigid and elastic coatings.
  - Hydraulic concrete structures like tubes, canals and water reservoirs.
- Suitable for sealing porous concrete by roller or trowel scratch coats
- Used for sealing of cementitious substrates for a variety of finishes, industrial floors, roofs etc.
- Gains perfect direct adhesion to ceramic tiles without mechanical preparation. Useful for any over-coating verifying suitable primers depending on the system used.

**Application**

2 component compound to be mixed previous to use.

Mix thoroughly with a low speed mechanical mixer. For application typical painting equipment such as rollers, brushes trowels and spraying equipment may be used. The product can diluted by 10-30% in weight with water. Depending on the use the product may be added with quartz 0,06-0,25 or 0,1-0,5. Dilution and quartz adding must be done always after mixing A+B.

10-30% depending on the use, adding quartz filler 0,06-0,25.

10% water dilution (on A+B) 1:0,2 filling rate.

30% water dilution (on A+B) 1:0,5 filling rate.

Consumption rate is 300-500 g/m<sup>2</sup> per coat making sure that areas with greater absorption rate should be treated again. 2 coats should be considered for perfect sealing.

Prior to application substrates to be treated must be sound and clean and dry and free from debris and dust, with a traction resistance to pull-off tests >1,5 MPa. In case of new substrates these should also be mechanically prepared. In case of surface contamination or crystal salt presence, dry mechanical preparation is imperative.

For the use with self-levelling mortars, multi-layers broadcast a blinding bed of quartz allow to cure and remove excess.

Water condensation on the surface should be avoided while the product is hardening.

In this case, with no glossy resin in view timeless over coating is reached. Only by sprinkling over application should occur within 24 hours.

After use all equipment can be washed with solvents or water or a mix of the two.

**Technical data**

<b>Color</b>	Dark grey
<b>Specific weight</b>	1.70 ± 0.03 Kg/l
<b>Mixing ratio</b>	100 parts by weight of base 100 parti by weight of hardener
<b>Pot life at 25°C</b>	45 ± 7 minutes
<b>Hardening 22°C, 50% U.R.</b>	- dry to the touch                      2 hours - insensitive to water                3 hours - over-application                      4 hours - fully hardened                        15 days
<b>Thickness</b>	300 micron per 700 g/m <sup>2</sup>
<b>Permeability to carbon dioxide EN 1062-6</b>	Sd > 50 m
<b>Water vapor permeability EN 7783-2</b>	Sd < 5 m
<b>Capillary absorption, water permeability EN 1062-3</b>	W < 0,1 kg/m <sup>2</sup> x h <sup>0.5</sup>
<b>Compatibility with humid concrete EN 13578</b>	No swelling, no cracking, no spalling. > 3,5 MPa

<b>Adhesion to concrete UNI EN 1542</b>	> 3,0 MPa or breakage of concrete
<b>Storage</b>	Product kept in its original, sealed packaging in dry and protected environment with temperatures between +5°C and +35°C it maintains for 12 months.

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.