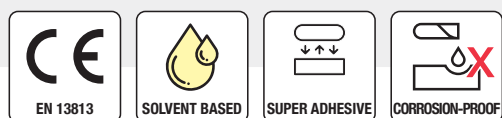


DUROGLASS FF 4416

2 COMPONENT SOLVENT BASED MULTI PURPOSE MODIFIED EPOXY PRIMER



CHARACTERISTICS

High **corrosion resistance**.

Excellent adhesion on different types of materials.

Over application after a long time with coatings, even without solvents.

Ease of application.

Light **grey colour**, available in NEUTRAL colourable version.

Contributes to obtaining credits for **LEED** certification.

Meets the requirements of the **13813** standard for synthetic resin-based screeds.

APPLICATION TEMPERATURE

Applicable from **+5°C** on the substrate.

OPERATING TEMPERATURE

Operating temperature **from -25°C to +110°C** (in air)
+ 60°C (submerged).

APPLICATION FIELDS

- **DUROGLASS FF 4416** is an **extremely versatile anti-corrosion primer** in terms of excellent adhesion on various substrates:
 - carbon steel
 - cement
 - aluminium
 - galvanized steel
 - ceramic material
 - plastic materials
 - old coatings
- **High adhesion epoxy primer** for epoxy and polyurethane floor coverings.
- **Epoxy primer** for **STARFLEX** and **ELASTOSTAR** waterproofing systems.

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SUBSTRATE PREPARATION

- The substrate to be treated must be **sound, compact, free from dust and pollution** from foreign substances (dirt, oil, grease, release agents, etc.).
- The cement substrate, after adequate mechanical preparation, must have a **surface resistance** to top tearing greater than **1.5 MPA**, measured using suitable instruments.
- In the case of **ceramic substrates** or **old resinous coatings**, after adequate mechanical preparation, their correct adhesion to the substrate and the absence of traces of pollutants must be checked.
- In the case of **vertical surfaces** (bathtubs, swimming pools, tanks, etc..) the preparation can be carried out by dry or wet sandblasting, or high pressure hydro-washing (300 bar).
- in the case of **carbon steel**, the surface before laying. The choice of the mechanical preparation method (sandblasting, sanding, smoothing, shot peening or milling) is to be chosen on the basis of the conditions of the substrate and the type of coating to be used.

Roughen the substrate before laying. The choice of the mechanical preparation method (sandblasting, sanding, smoothing, shot peening or milling) is to be chosen on the basis of the conditions of the substrate and the type of coating to be used.

All preparations require adequate dedusting by means of aspiration. In the case of sanding and smoothing, washing with a washer-dryer is strongly recommended to eliminate residual dust and/or thin filler.

PRODUCT PREPARATION

Two-component product to be mixed thoroughly before use with a low-speed helical mechanical stirrer, operating as follows:

- Add and mix component B with component A and mix until completely homogenized.

DILUTION AND COLOUR

The product can be diluted with 5-10% thinner **DILUENTE 21**.

The product is available in the neutral converter version, which can be coloured with:

- 1 Kg of **SOLIDGLASS** colour paste.

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PRODUCT APPLICATION

DUROGLASS FF 4416 can be applied by:

- Roller
- Brush
- Airless spray (use 0.015" - 0.021" nozzles with a pressure of at least 180 bar)

DUROGLASS FF 4416 can be applied with an indicative consumption of 0.20 kg/m² per coat.

OVER APPLICATION

The hardened and dry layer of **DUROGLASS FF 4416** can be covered directly with any type of epoxy, polyurea and polyurethane coating with or without solvent.

The maximum limit of over application is reduced from 15 to 7 days if the following coating belongs to the **STAR-FLEX** product line.

Apply a coat of **PRIMER 0230** if it rains in this period to ensure adhesion of the subsequent coating, respecting the curing times of the primer (tack free).

SAFETY AND CLEANLINESS

When applying these products, it is recommended to use goggles, masks and rubber gloves and all the PPE required by current regulations.

Immediately after use, the tools must be carefully washed with **DILUENTE 21**, rubbing them **with DILUENTE 6** if they are to be used for polyurethane products.

For more information regarding the precautions for use, please refer to the safety data sheet.



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TECHNICAL DATA		
Colour		Light grey
Specific weight	UNI EN ISO 2811-1	1,40 ± 0.05 Kg/l
Mix ratios		100 parts by weight basis 25 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	Cup UNI EN ISO 2431 FØ6 40 ± 8 seconds
Pot life 22°C	UNI EN ISO 9514	4 hours
Non-volatile substances	EN ISO 3251	81% in weight, 68% in volume
Curing at 22°C, 50% R.H.		- dry to the touch: 8 hours - over application 24 hours min / 15 hours max - fully cured: 10 days
Adhesion strength	UNI EN 13892-8	> 3,0 MPa
Slip resistance	UNI EN 13036-4	Dry: 54
Impact resistance	UNI EN ISO 6272	4Nm
Wear-resistance	UNI EN 13892-3	0µm
Abrasion resistance	UNI EN ISO 5470-1	grinder H22, 1000 g 1000 rpm < 16 mg
Permeability to water vapour	UNI EN 12086	0,03 µg /(m²·h·Pa)
Determination of the behaviour after exposure artificial physical agents	UNI EN 1062-11	No swelling, no cracking, no delamination
Resistance to severe chemical attacks	UNI EN 13529	- Mixture of hydrocarbons: Class I and II - 20% sulphuric acid: Class I - Sodium hydroxide 20%: Class I and II - Surfactants: Class I and II
Storage		The product in its original sealed packaging kept in a dry and protected place, at temperatures between +5°C and +35°C it is conserved for 12 months.

The data and instructions given in this sheet, based on the best practical and laboratory experiences, are to be considered in any case indicative. Considering the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical laying direction, etc.) whoever intends to use it is required to establish whether or not the product is suitable for use. Our warranty obligation is limited to the quality and constancy of the finished product for the above data, only for technical sheets accompanied by stamp and countersignature by our delegated personnel. site. Furthermore, the customer is required to verify that these values are valid for their relevant batch of product and are not superseded and/replaced by subsequent editions and/or new formulations. The data contained may vary at any time without prior notice by MPM.