

# DUROGLASS PW TOP

EPOXY COLORED WATER BASED  
BREATHING/TRANSPIRING COATING



## CHARACTERISTICS

**Eco-friendly** free from emissions product, suitable for indoor.

**Suitable** for concrete flooring and walls.

Good resistance to **abrasion**.

**Fast** hardening at relatively low temperatures.

Excellent **transpiration** properties.

**Hard** substrate with **low dirt** pick up.

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

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

## APPLICATION TEMPERATURE

Applicable from **+10°C to +40°C**.

## OPERATING TEMPERATURE

Operating temperature from **-25°C to +90°C**.

## APPLICATION FIELDS

- Painting of floors and baseboards, warehouses, industrial production environments, laboratories, showroom.
- Perfectly suitable for the food industry where the coating of the flooring and walls is required to obtain a simple and effective hygiene.
- Suitable for moderate damp or lacking vapour barrier.

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## SUBSTRATE PREPARATION

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- The substrates to be treated must be **sound, compact, free from dust and pollution** (dirt, oil, grease, release agents, etc.).
- In case of **ceramic substrates or old resinous coatings**, after adequate mechanical preparation, their correct adhesion to the substrate and the absence of pollutants' traces must be checked.
- Damaged joints, holes and other irregularities must be adequately levelled and repaired with epoxy grout **STARCEMENT 385**, or epoxy mortar **DUROGLASS P1/2** adequately loaded with quartz or **ADDENSANTE NT2**.

It is necessary to **roughen** the substrate before laying. The mechanical preparation method (sandblasting, smoothing and shot peening or milling) is to be chosen on the basis of the conditions of the substrate and the type of coating.

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

**On damp substrates or on substrates for which doubts arise with respect to the real hygrometric conditions:** it is necessary to use a mixed system applying previously a primer such as **DUROGLASS FU**.

## PRODUCT PREPARATION

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**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 complete homogenization.

## DILUTION AND COLOUR

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After mixing it is necessary to dilute the product with water stirring constantly.

- 1) Add from **5% to 10%** by weight of water for the first coat directly on concrete substrates.
- 2) Add till **5%** by weight of water for the coats of top coating.

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

- 1,2 Kg of **HYDRAGLASS** colour paste.

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## PRODUCT APPLICATION

**DUROGLASS PW TOP** can be applied in one or more coats by:

- Roller
- Brush
- Airless spray

The product **DUROGLASS PW TOP** can be applied with an indicative consumption of 0.15-0,3 Kg/sqm per coat in two or more coats.

**DUROGLASS PW TOP** can be used as top coat for **DUROGLASS PW**.

The product can be applied directly on **DUROGLASS FU LEVEL**.

## SAFETY AND CLEAN

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

Work tools must be cleaned with the **water** after use.

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



# DUROGLASS PW TOP

TECHNICAL DATA		
<b>Colour</b>		RAL palette
<b>Specific weight</b>	UNI EN ISO 2811-1	1,32 ± 0,05 g/cm <sup>3</sup>
<b>Mix ratios</b>		100 parts by weight of comp.A 21 parts by weight of comp. B
<b>Viscosity at 20°C</b>	UNI EN ISO 2555	3.000 ± 600 mPa.s
<b>Pot life</b>	UNI EN ISO 9514	60 minutes
<b>COV substances</b>	EN ISO 3251	66,5 % in weight 51,6 % in volume
<b>Theoretical consumption</b>		150 / 300 g/m <sup>2</sup>
<b>Theoretical thickness</b>		57 / 114 µm
<b>Hardening at 22°C, 50% U.R.</b>		- Dry to the touch: 3 hours - Over application: maximum 24 hours - Complete hardening: 10 days
<b>Adhesion strenght</b>	UNI EN 13892-8*	> 2,5 MPa
<b>Wear resistance BCA</b>	UNI EN 13892-4*	< 50 µm
<b>Degree of liquid water transmission (permeability)</b>	UNI EN 1062-3	w < 0,1 Kg/m <sup>2</sup> × h <sup>0,5</sup>
<b>Transmission of water vapour</b>	UNI EN 12086*	µ < 2800 3,0 mm
<b>Shore D hardness</b>	UNI EN ISO 868*	> 80
<b>Resistance to severe chemical attack</b>	UNI EN 13529 *	Sulphuric acid 20%: Class I Sodium Idroxide 20%: Class I e II
<b>Storage</b>		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. Keep away from frost.

CR10: Sulphuric acid al 20%  
CR11: Sodium Idroxide al 20%

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.