



Very  
High  
Durability  
Repair &  
Prevention  
System




Certified Quality System since **FEBRUARY 1993**

*From Project to Jobsite*

## TECNOSOLID 82 / WP

### - CONSOLIDATING AND WATERPROOFING PROTECTIVE TREATMENT - PRIMER FOR ACRYLIC PROTECTIVE COATINGS

*FOR FAIRFACED CONCRETE, FOR RENDERS, MASONRY AND STONEMWORK*

 approved – Certificate n. 1305 - CPD - 0810  
EN 1504-2 table ZA.1a

**Description** TECNOSOLID 82/WP is as protective treatment which consolidates and waterproofs various substrates. It is based on metacryl-siloxane complexes in solvent. TECNOSOLID 82/WP is soluble in all hydrocarbon based solvents, but not in water or alcohol. Once the product is applied, it reacts with the substrate of the construction materials to form a very strong, resistant chemical bond, which will last for many years and it is not subjected to spontaneous diffusion as other commercially available water repellence products.

- Characteristics**
- As primer for protective acrylic coatings (such as TECNORIV AC100), to improve the adhesion, the protective performances and the durability.
  - The treatment makes the substrate water repellent, long lasting, while not blocking the water vapour permeability. Humidity can still escape, leaving a dry and hygienic construction.
  - For the consolidation and contemporary waterproofing of the treated materials.
  - Resistant to UV.
  - The treated walls remain water repellent for many years.
  - Reduces or eliminates the dirt pick-up on the treated substrates.

**Fields of use** As primer for protective acrylic coatings and epoxies.  
As consolidating and waterproofing treatment of facades made out of concrete, renders, masonry or stonework in general.  
TECNOSOLID 82/WP comes as a standard product, but for special cases, depending on the type of substrate, and based on previously taken samples, it is possible to formulate the product in order to achieve optimal performance for this specific substrate.

**Method of use** **Preparation of the substrate**

The substrates must be cleaned from all dirt, algae, moulds and free from substances which can affect adhesion (like oil, fat, waxes, etc.). Remove eventually damaged areas, and fill cracks or joints > 0,3 mm. Smaller cavities and cracks will be waterproofed by the product itself. In the cases there is efflorescence on the substrate, contact our Technical Department for additional advise.

It is always advisable to apply a test area to check the compatibility of the substrate and the final aspect, prior to the application of the complete area. Apply always on a dry substrate (max. humidity level allowed 5%).

**Method of application**

TECNOSOLID 82/WP can easily be applied by spraying, brush or roller. Apply always 'wet to wet' till sufficient level of penetration is obtained. In normal climatic conditions the drying time will be about 2 hours. Clean the tools after application with turpentine. When applied as PRIMER, the successive coating, acrylic or epoxy, can be applied when the Tecnosolid 82/ WP is touch dry.

- Remark**
- TECNOSOLID 82/WP is not advisable for the waterproofing of gypsum plates.
  - Substrates treated with TECNOSOLID 82/WP can not be over-coated by any water based paint.
  - Keep the product in the original packaging, stored at less than 30°C. Keep the packaging closed and avoid air-contact. In these conditions the product has a shelf-life of about 12 months.
  - The product is inflammable: do not smoke, avoid working in the vicinity of flames or heat sources.
  - Apply only in well ventilated areas. Do not inhale the vapours and aerosols, and use adequate respiratory protection.
  - Read carefully the material safety datasheets.

Date of edition: 01/2006  
Date of revision: 12/2011

Nr. rev.: 4

TECNOSOLID 82/WP  
pag 1/2



Very  
High  
Durability  
Repair &  
Prevention  
System



Certified Quality System since **FEBRUARY 1993**

## From Project to Jobsite

**Packaging** Pails of 5 lt and 25 lt.

<b>Technical Data (typical values)</b>	• Aspect	Slightly opaque colourless liquid
	• Smell	of solvent
	• Specific weight UNI EN 2811-1	~ 0,89 Kg/l
	• Flash point	approx. 40 °C
	• Consumption	0,1-0,5 l/m <sup>2</sup> depending on the porosity of the substrate

TECHNICAL CHARACTERISTICS	TEST METHOD	MEASUREMENT UNIT	TYPICAL VALUES	THRESHOLD VALUES according to EN 1504-2
Drying test	EN 13579	%	> 50 (class 1)	class 1 > 30% class 2 > 10%
Penetration depth	EN 1504-2 (pr. 3, n° 19)	mm	5 (class 1)	class 1 < 10 class 2 > 10
Water absorption and alkali resistance	EN 13580	%	AR < 5 AR <sub>alk</sub> < 10	AR < 7,5 AR <sub>alk</sub> < 10

**Storage** 12 months in the unopened original packaging, stored in a dry and protected area, at temperatures between +5 °C and +30 °C.

**Safety indications** Read carefully the safety indications on the packaging, or consult the relevant safety datasheet of this product

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage. Technical characteristic in this technical data sheet are up-to-dated periodically. Revision date of this technical data sheet is indicated below

Date of edition: 01/2006  
Date of revision: 12/2011

Nr. rev.: 4

TECNOSOLID 82/WP  
pag 2/2