

Technical Data Sheet

HYDROSIL Primer

Serie 160354

PRODUCT DESCRIPTION

Water based acrylic siloxane anti-saltpetre and alkali-resistant consolidant.

INTENDED USES

Specifically suitable as a primer for exterior and interior applications for all types of plasters and cement or concrete.

It show high penetration in the support and excellent properties anti-saltpetre, avoiding the absorption of water and the resulting appearance of efflorescence.

HYDROSIL Primer is recommended as a first layer in consolidating water based epoxy and / or polyurethane protective systems.

TECHNICAL INFORMATION

Product type

Water based acrylic siloxane consolidant

Colours

Trasparent

Solids (% +/- 2)

8 (by Volume) 11 (by Weight)

SOV/VOC (g/liter)

0,9

Directive 2004/42/CE

Specific Gravity (g/liter +/- 100)

1005

SOV/VOC (g/liter) (calculated)

0,9

Directive 2010/75/CE

Flash Point (°C +/- 2)

not flammable

Appearance

trasparent matt

Temperature Resistance (°C)

80

APPLICATION DATA

Application Range

(min - max)

Typical

Film thickness per coat in micron		Theoretical spreading rate		Consumption
Dry	Wet	m ² /l	m ² /kg	g/m ²
15 - 25	188 - 313	5.3 - 3.2	5.3 - 3.2	-
20	250	4	4	252

Room Temperature

min 5°C

Max 35°C

Relative Humidity

min 5%

Max 70%

Mixing Ratio

N.A. (by weight)

N.A. (by volume)

Pot life

N.A.

Thinner/Cleaner

Fresh water (ready to use).

Application methods

Airless or conventional spray, brush or roller.

Guideline for airless spray

Pressure at nozzle

15 Mpa (150 kp/cm² , 2100 psi)

Nozzle tip

0,46 - 0,58 mm (0,018 - 0,023")

Ti.Pi.Ci. s.a.s. di C.M. Pinto & C.

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SURFACE PREPARATION

New concrete: after minimum 30-40 days of curing, apply n°1 coat of HYDROSIL Primer.
Aged concrete: wash with low pressure water cleaning equipment and let the surface dry, then apply n°1 coat of HYDROSIL Primer.

CONDITION DURING APPLICATION

Do not apply on hot surfaces and under direct sun.
Do not apply in foggy or rainy atmosphere, due to the high percentage of humidity.

DRYING TIMES

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: good ventilation (outdoor exposure or free circulation of air), recommended film thickness, one coat on top of inert substrate.

Substrate temperature	Surface Dry ¹	Hard Dry ²	Cured ³	Dry to recoat ⁴	
				minimum ⁵	Maximum ⁶
10°C		4h		12h	-
20°C		3h		12h	-
30°C		2h		12h	-

- 1
- 2 Data resulted by tests and experience in pratical applications. A good ventilation can improve the drying time.
- 3 Data resulted by tests and experience in pratical applications.
- 4 Recommended data given for recoating with same generic type of paint.
- 5 In case of multi-coat application, drying times will be influenced by the number in sequence and by the total thickness of previous coat applied.
- 6 The surface should be dry and free from any contamination prior to application of the subsequent coat.

Given data must be considered as guidelines only. Actual drying time can only be decided at site, depending on age of existing system, generic types, numbers of coates, thinning, temperature, ventilation, etc.

THIS PRODUCT IS INTENDED FOR PROFESSIONAL USE ONLY

The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Ti.Pi.Ci.'s technical documentation.

STORAGE AND PACKAGING
STORAGE

the product should be stored in accordance with national regulations. The best storage conditions are to keep the packages in a dry space provided with adequate ventilation.

SHELF LIFE the product does not expire
PACKAGING 20 kg

HEALTH AND SAFETY

For detailed information on the health and safety hazards and precautions for the use of this product, we refer to the Material Safety Data Sheet.

Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under contitions beyond our control, we can not guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.