

PRODUCT DATA SHEET

CEMENT BLOCK

Antidust for concrete flooring

FEATURES It is a glossy two-component coating, based on liquid epoxy resin without solvent, able to withstand mechanical and chemical stress in industrial activities with excellent adhesion on mineral surfaces such as concrete, cement plaster, fiber cement.

USE Thanks to its impregnating and consolidating power, it is used as a primer and finishing for industrial flooring with anti-dust performances. Suitable for processing warehouses, logistics and storage areas.
 Carefully mix the two components so as to obtain a perfect homogeneity before application.
 Drying, adhesion and resistance of this enamel are threatened by high humidity of the substrate, temperature, environment and/or temperature of the substrate below 10°C and relative humidity of the environment >70%. Maximum resistance to foot traffic is reached after 5 days.

TECHNICAL DATA

DESCRIPTION	VALUE	METHOD
Operating temperature	<+120 °C	
Solids by volume %	45% ± 2	
Solids by weight %	42% ± 2	Internal PF25
Pot-life	2 ore	Internal PF7
Drying	Recordable 16h Fully 7 days	Internal PF2

SPECIFICHE

DESCRIPTION	VALUE	METHOD
Specific weight (A+B)	875-975 g/l	Internal PF3
Specific weight A	900-1000 g/l	
Specific weight B	850-950 g/l	

THICKNESS AND COVERAGE

	Min.	Max	Recommended
Thickness of dry film (µm)	40	80	60
Thickness of wet film (µm)	88	178	133
Theoretical coverage (m ² /l)	11,4	5,6	7,5
Theoretical coverage (m ² /kg)	12,3	6,1	8,1

SHELF LIFE 1 year stored in its original and unopened can at temperature between +5°C e +30°C.

COLOUR RANGE Colourless.

PREPARATION OF SURFACE **General:** For the success of the work the surface must be free from previous treatments and clean from pollutants of various types such as dirt, oil, grease and salts by the use of alkaline cleaners industrial (wash, rinse and rinse water collection). It's necessary to carry out a test of about 1 m² of surface to be

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treated to ensure adhesion of the coating.

New concrete

The surface must be finished and seasoned (100 days), humidity <5%, must have a surface free of dust and imperfections, must not emerge any cement grout.

Resistance to compression: > 250kg/cm²

Resistance to traction: > 150 kg/cm²

Porosity: pour water on the surface; If absorbed you can paint otherwise treat the substrate with the descaling Concrete Cappel and after a few minutes rinse thoroughly and carefully, taking care to collect the water. Treatment with Cappel Concrete can also be run on just cleaned wet surfaces with alkaline detergent. You can proceed with the application of the enamel after minimum 24 hours prior measuring humidity of the floor that shall be less than 5%.

Alternatively, a porous surface can be created by mechanical abrasion carried out with a shot blasting machine or milling cutter, making sure to remove the processing dust (suction).

If there are cracks: widen with abrasive grinding wheels and fill with cement and/or sand-filled epoxy filler.

TOOLS

Short-haired roller, brush.

APPLICATION

Mix ratio in weight	100:100 by Induritore Cement Block
Mix ratio in volume	100:100 by Induritore Cement Block
Thinning	Ready to use
Time of use 23 °C	2 h
Induction time	10 Min.
Application condition	+5 °C +40 °C
	Relative humidity: <70%
Thinner for washing	Diluyente Nitro NV5000

DRYING TIME

Dry time are purely indicative as it might be longer or shorter by keeping in consideration ventilation, humidity, thickness of the applied film. In over coating, best adhesion can be obtained when next application is done before catalysis is completed.

Exceeding maximum time between coats it is necessary to sand.

Surface temperature	23 °C
Out touch	3h'
Dry to touch	16h
Full catalysis	7 days
Minimum time of over application	16h
Maximum time of over application	3 days

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**RECOMMENDED
FINISHES**

Cement Block

**RECOMMENDED
SYSTEM**

Product	Coat	Wet Thickness	Dry thickness
Cement Block	1	133	60
Cement Block	1	133	60
Cement Block	1	133	60
Total	3	399	180

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system may vary.

This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample.