

PRODUCT DATA SHEET

CEMENT BLOCK

Antidust for concrete flooring

FEATURES

It's a 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. 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
Viscosity (A+B) (TF4)	10-15sec
Specific weight (A+B)	950-1050g/l
Application temperature	< +120 °C
Flash point	>27°C±2
Solid by volume %	45%
VOC (A+B)	510 g/l
Gloss level 60°	Nn

THICKNESS AND COVERAGE

	Min.	Max	Recommended
Thickness of dry film (μm)	40	80	55
Thickness of wet film (μm)	88	178	120
Theoretical coverage (m²/l)	11	5,6	8
Theoretical coverage (m²/kg)	11	5,6	8

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 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%.

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Alternatively you can create a porous surface by means of mechanical abrasion or shot-peening carried out with the cutter ensuring that the surface is free of machining dust (aspiration).

Cracks: widen with grinding stones and fill with epoxy filler loaded with sand and / or cement.

TOOLS

Short-haired roller, notched trowel.

APPLICATION

Mix ratio in weight	100:100 by Induratore Cement Block
Mix ratio in volume	100:100 by Induratore Cement Block
Thinning	Ready to use
Time of use 23°C	2 h
Induction time	23°C:10' - 10°C:15'
Application condition	+5°C +40°C
	Relative humidity: <70%
Thinner for washing	Acetone per lavaggio

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	10°C	23°C	30°C
Out touch	5h'	3h'	2h'
Dry to touch	24h	16h	12h
Full catalysis	36h	24h	18h
Minimum time of over application	24h	16h	12h
Maximum time of over application	5 days	3 days	2 days

RECOMMENDED FINISHES

Cement Block

RECOMMENDED SYSTEM

On new concrete

Product	Coat	Wet Thickness	Dry thickness
Cement Block	1	111	50
Cement Block	1	111	50
Cement Block	1	111	50
Total	3	333	150

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.