

EPOXY BINDERS

FLUIDEPOX[®] ANTIFIAMMA A+B+C

Low viscosity epoxy product

Primer for the realization of fireproof surfaces, thanks to its penetrating power is able to consolidate concrete supports. It can be applied on concrete to improve the adhesion of resin coatings, be used as an impregnating agent for fiberglass mat in the creation of fiberglass coatings, become a binder for multilayer systems. Fluidepox Antifiamma is reactive even at low temperatures.



Description

Three-component product based on epoxy resins, used in combination with cycloaliphatic amine hardeners and pyrogenic filler.

It has good penetrating and consolidating power for concrete supports.

The particular chemical structure of the amine hardener guarantees a good reactivity of the system even at low temperatures

Use

Primer for concrete ideal to facilitate the adhesion of resin coatings.

Impregnations of glass mat to make fiberglass coatings. Binder for multilayer systems. Resin coatings with reaction to fire class B_{FL-S1}

Support

The substrate must have a minimum compressive strength of 25 N/mm² and a tensile strength of 1,5 N/mm²

Preparation of the support

Operating on concrete funds. It is necessary to check that there is no rise in humidity. If the cls. It is newly built you will have to wait for full maturation.

The surface must be solid, absorbent and free from the presence of oils, surfactants, water, dust. Any inconsistent parts will have to be removed.

Flooring must be treated mechanically, by abrasiveness, shot peening or milling.

Application

At the time of application, combine part A and part B in a single container and mix carefully for 2 minutes using a mechanical stirrer.

After obtaining a homogeneous mixture, add the pyrogenic charge and mix carefully with a mechanical agitator for two minutes.



FLUIDEPOX ANTIFIAMMA can be applied in different ways:

- with trowel or blade, pure or loaded with QUARZO B0
- on supports where an increase in humidity is conceivable, it is necessary to distribute on FLUIDEPOX ANTIFIAMMA freshly applied of quartz waste; then proceed with breathable coatings

Consumption varies significantly according to the applications and the state of the substrate: consult our cycles for a more precise reference.

Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.

FLUIDEPOX[®] ANTIFIAMMA A+B+C • Technical sheet • 05/11/2025

Sivit S.r.l.

Via Centallo 57, 10156, Torino, Italia | P.I. - C.F. 01012820013 | C.C.I.A.A. N. 478878 | Reg. Soc. Tribunale Torino N. 305/74

Sistema di gestione conforme alle ISO 9001:2015 – ISO 14001:2015 – ISO 45001:2018

commerciale@sivit.it | sivitsrl@pec.it | +39 011 273 00 33 | www.sivit.it

Warnings

For low temperature applications, the material can be heated to 25°C for easy application and catalysis (viscosity decrease).

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Technical specifications

PRODUCT DATA	
Colour	Yellowish
Specific gravity (at 25°C): mixture (A+B+C)	1,30 +/- 0,05 g/ml
Viscosity (at 25°C): mixture (A+B+C)	1.000 +/- 200 mPascal (spindle 2 rpm 60)
Flash point	> 100°C
Solvent for cleaning tools	UNI Solvent
Storage	12 months, store in a dry place at a temperature between 5°C and 35°C

APPLICATION DATA AND TIMES	
Mixture ratio	by weight: A=100, B=50, C=75
Pot-life (50% R.H.)	at 10°C > 60 min at 25°C 30 min at 30°C > 20 min
Dry to the touch (50% R.H.)	at 10°C 12-16 hours at 25°C 5-7 hours at 30°C 2-3 hours
Walkable (50% R.H.)	at 25 °C 12 hours
Coverage (50% R.H.)	at 25°C 12 to 36 hours
Trafficable (50% R.H.)	at 25°C 36 hours
Hardening in depth (50% R.H.)	at 25°C 7 days
Environmental conditions of use	Temperatures between +10°C and +30°C, R.H. < 60% and media humidity < 4% (*)

PERFORMANCE TECHNICAL DATA	
Compressive strength (UNI 4279)	58 N/mm ²
Bending strength (UNI 7219)	50 N/mm ²
Tensile strength (ASTM D 638)	38 N/mm ²
Hardness (ASTM D 2240)	78 Shore D
Chemical resistance	Good resistance against various aggressive (consult our Technical Service)
	(*) FLUIDEPOX ANTIFIAMMA it must be applied at a media temperature not lower than 15°C and at least 3°C higher than the condensation temperature.

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