EPOXY BINDERS

FLUIDEPOX® FLEX A+B

Elastic epoxy system

Formulated with good elasticity, it can be used as a primer to consolidate damaged concrete supports or to make resin coatings for parking lots.
When used as an impregnating agent for fiberglass, it allows to create fiberglass coatings.

Description

Two-component product based on epoxy-polyurethane resins, used in combination with amine hardeners.The system, in addition to carrying out a consolidating action for cls supports made of concrete, it has good elasticity.

Use

Primer for damaged cementitious supports.
Primer for the construction of parking ots.
Impregnations of fiberglass to make fiberglass coatings.

Support

The substrate must have a minimum compressive strength of 25 N/mm^2 and a tensile strength of 1,5 N/mm^2

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.
FLUIDEPOX FLEX can be applied in different ways:

- with trowel or blade, pure or loaded with QUARZO B0
- roller, pure or diluted with 5% Ethyl Alcohol or Solvent UNI

Consumption varies considerably according to the applications and the state of the subsoil.

Warnings

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

Product for professional use, the buyer undertakes to follow the above warnings in the application of the purchased product and the instructions in the safety data sheet.

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

Technical specifications

PRODUCT DATA	
Colour	Transparent
Specific gravity (at 25°C): mixture (A+B)	1,10 +/- 0,05 g/ml
Viscosity (at 25 °C): mixture (A+B) mixture (A + B) diluted to 5% with UNI SOLVENT	2.700 mPascal (spindle 2, rpm 10) 1.700 mPascal (spindle 2, rpm 12)
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=28,2
Pot-life (50% R.H.)	at 10°C > 80-100 min at 25°C 50-60 min at 30°C > 30-40 min
Dry to the touch (50% R.H.)	at 10°C 36-40 hours at 25°C 18-20 hours at 30°C 12-14 hours
Walkable (50% R.H.)	at 25 °C 24 hours
Coverage (50% R.H.)	at 25°C 24 to 48 hours
Trafficable (50% R.H.)	at 25°C 72 hour
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	
Tensile strength (UNI EN ISO 527)	at -10°C 2.98 Mpa at +10°C 1.97 MPa00
Elongation at break (UNI EN ISO 527)	at -10°C 183 % at +10°C 166 %
Tensile modulus of elasticity (UNI EN 527)	at -10°C 14 MPa at +10°C 9 MPa
Crack bridging - Static Method A (UNI EN 1062-7)	at +10°C A2 > 250 µm
	(*) FLUIDEPOX FLEX va applicato ad una temperatura del supporto non inferiore a 15°C e di almeno 3°C superiore alla temperatura di condensa.

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