



Technical Sheet

STRUCTURAL ADHESIVE

Xepox 226.4 Floor

Standard for

Multidirectional joints and wood-cement attics.

Injectable with biaxial extruder

2÷4 mm

Moderate temperatures.

General		Polymeric synthetic binder, formulated as a structural adhesive with an epoxy base, bicomponent, RTC.
Characteristics		Liquid of very low viscosity, easily injectable or pourable, free from solid loads – filler and quartz – average reactivity, excellent wetting against materials of different nature – wood, iron, steel, concrete, etc.; after polymerization, elevated adhesion and cohesion values.
Employment		Bonding of connecting elements between preformed metal and wooden structures.
Application		For injection with 2:1 bicomponent biaxial extruder. 2 ÷ 4 mm thickness. Application temperature of 10 ÷ 35 °C and max relative humidity of 90 %.
Provision	Cartridge 	Biaxial type: component a + b 400 ml
Conservation and expiration		The two separated components have a shelf life of at least 12 months, but they must be stored at moderate temperatures.

Test characteristic	Reference regulation	Unit of measure	Values
Specific weight at 23 ± 2 °C	ASTM D 792-66	kg/dm ³	ca 1.45
Stoichiometric ratio by volume	-	A : B =	100 : 50
Pot life at 23 ± 2 °C for 150 cc	ERL 13-70	Minutes	50 ÷ 60
Working time of the mixture at 23 ± 2 °C	ERL 13-70	Minutes	25 ÷ 30
Coefficient of linear thermal expansion	ASTM D 696	°C ⁻¹	ca 7.5x10 ⁻⁵
Max glass transition	ASTM D 3418	°C	65
Compression breakage unit load	ASTM D 695	MPa	≥ 80
Flexion-traction breakage unit load	ASTM D 790	MPa	≥ 50
Traction breakage unit load	ASTM D 638	MPa	≥ 38
Cutting breakage unit load	ASTM D 732	MPa	≥ 40
Elastic modulus for compression	ASTM D 695	MPa	≥ 7200
Wood compliance (spruce) by extension	ASTM D 1870	Type of break	100% wood cohesion
Wood/iron flexion-traction breakage unit load		Type of break	100% wood cohesion
Shrinkage	ASTM D 2566	%	ca 0.35 x 10 ⁻³

The test values are obtained in the laboratory and are indicative of material usage, but do not constitute a guarantee.

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Application
outline

STRUCTURAL
ADHESIVE

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K	how it's composed	Biaxial bicomponent cartridges with 400 ml disposable mixer
γ	what is its mixing ratio	(by volume) A : B = 100 : 50 <i>⇒ components have been packaged in pre-measured, ready-for-use quantities</i>
	where it is applied	For the gluing of parts connecting preformed metal and wood/concrete structures; in the creation of joints with metallic concealed point joints and the fusion of beam and slat connectors for wood-cement slabs.
§	how to prepare the structure	• remove any dust with an air blast or industrial vacuum • remove grease and/or brush the metal • dry if wet
B	what equipment	Manual or pneumatic Cenci Legno biaxial bicomponent extruder. MC 18 type disposable mixer with holding brace.
≅	what thicknesses	approximately 2 ÷ 4 mm
	hardening time	Differs according to environmental temperatures. Use is not however recommended in environments with permanent temperatures below 10°C.
O	how to protect yourself	It is important to handle products with necessary precaution, wearing the proper protective gear.
#	where to dispose of waste	Do not litter residue or empty containers but dispose of them in accordance with current regulations.

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