

PACKAGING - 25 kg multilayer polythene bag.
Pallet 60x25 – 1500 Kg.

STORAGE

Protect from humidity. Products to be stored in a dry, sheltered place. Under these conditions and in intact containers, the product maintains its technical characteristics for 12 months.

Characteristics	Typical Values
Aspect	Powder
Colour	Grey
Apparent specific weight UNI 9446	1,35 ± 0,1 g/cm ³
Hazard classification 1999/45/CE & 67/548/CEE	Irritant
Granulometric interval UNI EN 1015-1	0,1 – 0,5 mm
Apparent volumetric mass of fresh mortar UNI EN 1015-6	2050 ± 30 Kg/m ³
Consistency of the mix UNI EN 13395-1	40-50 %
Initial hardening time UNI EN 196-3 a 21°C & 65% H.R.	a 5°C e 65% H.R. 35 ± 10 min. a 21°C e 65% H.R. 20 ± 10 min.
Final hardening time UNI EN 196-3 a 21°C & 65% H.R.	a 5°C e 65% H.R. 50 ± 10 min. a 21°C e 65% H.R. 30 ± 10 min.
Minimum application temperature	+5 °C
pH of the mix	12 ± 0,5
Dangerous substance	According to DM 10/05/2004

Characteristics	Limits EN 1504-3 for R4 mortars	Typical Values	
		@ +5°C	@ +21°C
Compressive strength UNI EN 12190 [MPa]	In 28 days, with curing at +21°C ≥ 45	4 h ≥ 5 1 gg ≥ 12 7 gg ≥ 20 28 gg ≥ 40	4 h ≥ 8 1 gg ≥ 20 7 gg ≥ 35 28 gg ≥ 50
Bending strength UNI EN 196-1 [MPa]	No request	@ +5°C 4 h ≥ 2 1 gg ≥ 3,5 7 gg ≥ 4,5 28 gg ≥ 6	@ +21°C 4 h ≥ 2,5 1 gg ≥ 4 7 gg ≥ 5 28 gg ≥ 9
Secant modulus of elasticity in compression EN 13412 [GPa]	≥ 20	≥ 20	
Chloride content EN 1015-17 [%]	≤ 0,05	≤ 0,05	
Adhesion to CLS (UNI EN 1542) [MPa]	≥ 2	≥ 2	
Adhesion to CLS (UNI EN 1542) after dry cycles EN 13687-4 [MPa]	≥ 2	≥ 2	
Adhesion to CLS (UNI EN 1542) after storm cycles EN 13687-2 [MPa]	≥ 2	≥ 2	
Adhesion to CLS (UNI EN 1542) after the freeze-thaw cycles EN 13687-1 [MPa]	≥ 2	≥ 2	
Resistance to accelerated carbonation, UNI EN 13295	Carbonation depth, dk <Concrete for reference Type MC 0.45 a / c	OK	

Characteristics	Limits EN 1504-3 for R4 mortars	Typical Values
Impermeability to water (capillary absorption coefficient, UNI EN 13057) [Kg/m ² ·h ^{1/2}]	≤ 0,5	< 0,5
Reaction to fire	-	A1

Characteristics	Limits EN 1504-7	Typical Values
Test of protection against corrosion (UNI EN 15183) after 10 cycles of condensation with water, 10 cycles of sulfur dioxide in accordance with EN ISO 6988, 5 days of saline fog according to EN 60068-2-11	After the series of cycles, coated steel bars must be free of corrosion. The penetration of rust at the end of the steel plate without coating must be <1 mm	OK
Pull-out strength of the bars treated (UNI EN 15184), relative load to a displacement of 0.1 mm	Load of at least 80% on uncoated armor	OK
Determination of the glass transition temperatures (UNI EN 12614)	At least 10°K above the maximum operating temperature	-

WARNING

Product intended for professional use.

It is possible that different remittances made from the same raw materials present colors slightly discordant; may have tiny chromatic variations between batches of production which in no way impair the technical performance of the products supplied.

Do not remix with water any product that has already started to set.

Do not add cement, additives or other Betonfix mortars.

Before using, check bags have not been damaged, and do not use the product if there are lumps.

Use all the material once the package is opened.

Take all necessary precautions to ensure correct curing of the castings.

Do not cast at temperatures below +5 ° C.

Wet with water for the first 48 hours, or cover with plastic sheets or damp jute bags.

Do not use anti-evaporation products if there is no provision for further coatings.

The technical specifications and application methods recommended here are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product.

It is the customer's responsibility to check that this data sheet is still effective and it has not been replaced by a more updated version, and that the product is suitable for the intended use.