

Hydraulic mortar made of hydraulic binders for the bonding of Kimisteel steel meshes and Kimitech meshes. CE marked product as composed mortar according to the EN 998-2.

Description

Kimisteel LM is a ready-to-use fine granulometry mortar CE marked (masonry mortar according to the EN 998-2), containing selected NHL 3,5 hydraulic binders.



Application

If you want to ensure maximum breathability and resistance to high temperatures, add water or Kimitech B2, 30% of its weight.

If you want high performance mechanical and adhesive mix, combine the two components of the product Kimicover FIX (component A and component B), mix carefully with a drill at low speed (200-300 rpm) to get a perfect mixture and add Kimisteel LM (a 15 kg bag for 6 kg of Kimicover FIX) to obtain a homogeneous mixture free of lumps.

In case of high thickness plasters we recommend performing a preliminary rough coat adding to the mortar Kimitech EP-RG, 10% of its weight, in order to create a bonding bridge of the plaster with the underlying support.

Uses

The product is used as matrix of Kimisteel INOX reinforcing systems, mixed with 30% water or Kimitech B2 or 40% Kimicover FIX.

Characteristics	Value
Appearance	Powder
Colour	grey
Apparent volumetric mass of wet mortar UNI EN 1015-6	1700 - 1750 Kg/m ³
Consistency UNI 7044/72	170% - 180 %
Setting time (start) UNI EN 196-3	100±30 minutes
Setting time (end) UNI EN 196-3	150±30 minutes
Compression strength 28 days* UNI EN 1015-12	~ 45 N/mm ²
Flexural strength 28 days* UNI EN 1015-11	~ 8 MPa
Elastic modulus 28 days** EN 13412	~25 GPa
Concrete adhesion UNI EN 1542	~ 2 N/mm ²

*Minimum granted value of all available mixing varieties

** Maximum value respecting the available mixing varieties

Characteristics	Limits EN 998-2	Typical value
Compatible with the masonry elements, according to the EN 771		
Water absorption for capillarity EN 1015-18		0,4
Permeability to water vapour EN 1745		15/35 [Value]
Fire reaction class		A1
Dangerous elements		See Safety Data Sheet

Packaging

15 kg multilayer bag.
900 kg pallet.

Coverage

1.4 kg/m² per mm thickness.

Storage

Protect from humidity. Store in a dry, sheltered place. Stored in these conditions and in unopened containers, the product remains stable for 12 months.

Warning

Product for professional use.

Given the possibility that different supplies of the same raw materials have slightly discordant colors, including a lot of production and the other may be minor color variations that do not affect in any way the technical performance of the products supplied.

When applying in particularly aggressive areas, consult the Technical Support Service for the best choice of matrix and finish. Before using, check bags have not been damaged, and do not use the product if there are any lumps.

Use the entire contents once the bag has been opened.

Do not apply at temperatures below +2° C or above +35 °C.

If the mortar lost in workability without adding water, nor Kimitech B2, nor Kimicover FIX, re-mixing 1-2 minutes before apply it.

The technical specifications and application methods recommended herein 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 has not been replaced with a more recent version, and that the product is suitable for the intended use.

Characteristics	Limits EN 998-2	Typical value
Constituent proportion in weight [%]		Binder: 25-35 Pozzolana materials 12-22 Inerts: 42-52 Additives: < 1
Chlorides content [%] EN 1015-17	Declared value	≤ 0,1
Compression resistance 28 days EN 1015-11 [MPa]		> 10
Resistance to first shear [Mpa] toge-		0,15 [Value]