



# X-LIME

## PRODUCT DESCRIPTION

X-LIME is a white ready-mixed, lime-based, hydrophobic finishing plaster.



## PRODUCT APPLICATION

- Cement-based or lime-cement plaster, and reinforced concrete elements, even if micro-cracked and painted
- Facades to uniform following maintenance and re-plastering
- Base to be painted on
- Finish for Calibro dehumidifying systems

## ADVANTAGES

- High breathability
- Easy workability on existing and newly-built surfaces
- Excellent finish results, even in the presence of micro-cracks and old paint
- Compatibility with old walls

**PREPARATION AND APPLICATION** The preparation and installation data refer to normal environmental conditions (temperature +20°C; relative humidity 60%).

### Preparing the surfaces

In the presence of mould, algae and fungi, thoroughly high-pressure clean the surfaces to remove any micro-organisms, wait for them to dry and apply an undiluted coat of PROCLEAN disinfectant treatment (see relative data sheet).

Remove loose or detached parts of old plaster by washing thoroughly and then repairing them, keeping the surface damp during the application.

Clean painted plasters vigorously to remove all loose paint, even by sanding it.

If the existing surfaces need an incisive fixative effect, apply PROFIX 30 (see technical data sheet), in case of highly absorbent substrates, apply PROFIX 20 (see technical data sheet) to uniform absorption. Perform an adhesion test with X-LIME.

### Preparing and applying the mixture

Mix for 3-5 minutes with a whip-fitted drill; pour the required amount of water (5.5-6 l) and then slowly add X-LIME until a creamy texture is obtained.

Apply the product with a metal spatula in an average thickness of 1 mm.

For subsequent X-LIME applications wait at least 60 minutes between coats in normal environmental conditions.



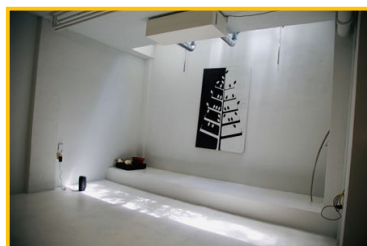
As soon as the mortar begins to harden, proceed with the surface finish with a sponge float. When applying the product, it is possible to insert the XNET (see relative data sheet) mesh or an alkali-resistant fibreglass mesh, which must be applied between two coats of the product.

#### Sprayed application

The product can also be applied with a plastering machine with levelling wands after separately mixing the product (for more information contact the Volteco Technical Service).

#### Finishing

Once the curing process is complete, (at least 3 days after the product is applied) X-LIME can be painted with PAINT AIR (see relative data sheet) for the desired colour finish to be obtained.



References available at [www.volteco.com](http://www.volteco.com)

#### CONSUMPTION AND YIELD

1.4 kg/m<sup>2</sup> per mm in thickness, depending on the roughness of the surface.

#### PACKAGING AND STORAGE

X-LIME is packed in 20 kg bags.  
An open package is sensitive to humidity.  
The products must be stored in a dry place protected from sun and humidity.  
X-LIME in the original packaging has a storage time of 18 months

#### WARNINGS - IMPORTANT NOTES

The product must be used within 60 minutes after mixing.  
Do not cover with paint that could alter the breathability characteristics of X-LIME.  
Applying the product on very hot surfaces that are in direct sunlight accelerates the curing times.  
In the presence of a high temperature or wind, keep the surface damp so as to guarantee a proper curing process.  
It is recommended to try the product on a test area for such applications to verify the time required for the job.  
The preparation and installation data refer to normal environmental conditions (temperature +20 °C; relative humidity 60%).

#### PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Values	
Appearance	white powder	
Mixture consistency	thixotropic	
Maximum aggregate size	0.7 mm	
Workability time at +20 °C	20'	
Application temperature	from +5 °C to +30 °C	
Mixture ratio	100 parts powder 28 parts liquid	
Controlled parameters	Test method	Values
Apparent bulk density	UNI EN 1015-10	1,4÷1,5 kg/l
Mixture bulk density	UNI EN 1015-6	1,65÷1,80 kg/l
Air content	UNI EN 1015-7	< 13%
Compressive strength after 28 days	UNI EN 1015-11	3.5÷7.5 N/mm <sup>2</sup> (category CSIII)
Bond strength	UNI EN 1015-12	> 0.2 N/mm <sup>2</sup> (B-type breaking)
Capillary water absorption	UNI EN 1015-18	0,5÷1,0 kg*m <sup>-2</sup> *h <sup>-0,5</sup>

The quoted data are obtained in a laboratory at +20 °C and 60% RH.

#### SAFETY

Refer to the related Safety Data Sheet.



<b>CE</b>	<b>VOLTECO S.p.a</b> Via delle Industrie, 47 - 31050 Ponzano Veneto (I)
<b>24</b> <b>DOP 0051</b> <b>EN 998-1:2004</b> <b>X-LIME</b> Mortar for outdoor and indoor plaster - GP type general purpose mortar	
Reaction to fire: Class A1	
Compressive strength: Class CSIII	
Adhesion: $\geq 0.2 \text{ N/mm}^2$ (B-type breaking)	
Capillary absorption: Class W0	
Vapour permeability coefficient: $\leq 15 \mu$	
Thermal conductivity (tabulated value): $0.93 \text{ W/mK}$	
Durability: NPD	
Hazardous substances: See SDS	

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**LEGAL NOTES**

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