

Koster Restoration Plaster

DESCRIPTION

Koster Restoration Plasters are classed as salt encapsulating hydrophobic plasters. They can store mineral salts within their "open cell" structure and prevent them from causing surface damage or spoiling of finishes. Koster Restoration Plasters DO NOT contain Gypsum or lime.

It also serves to improve the insulative properties of the wall by creating a bridge between the cold wall and the internal environment thereby aiding to reduce the risk of condensate forming on its surface.

They can be used internally or externally and for a plaster, exhibit a good compressive and tensile strength. When used on its own, the Koster Restoration Plaster Grey or White finish is an "open pored" texture (Similar to an external render). If this is not desired, then the Koster Restoration Plaster Key can be used to smooth the surface.

Most common uses

- Following a successful installation of Koster Crisin 76. After the transmission of moisture has been halted using the Koster Crisin, the wall above the DPC will still be wet, this could take 6 – 9 months to dry out. Koster Restoration Plasters can be applied to this wet and salt burdened substrate and the client's room may be used again.
- Basement Waterproofing. Where the only requirement is for a Negative Type A System, the Koster Restoration Plasters can be applied directly over the Koster NB1 Grey to mitigate against the risk of microscopic salts or condensation occurring on the Koster NB1 Grey surface.

Also, can be applied over the Delta PT Lathe cavity membrane as a finish plaster.

- Externally – To provide a hard wearing, impact resistant and water repellent render coating.



FURTHER INFORMATION

Please follow these links to videos on the Koster Restoration Plasters:

Rising Moisture and Salt Damage: Use KÖSTER Restoration Plasters – Presented by Paul Osselmann, this gives a technical look at the salt blocking properties of Koster Restoration Plaster. <https://youtu.be/GR2aAsS-4QA>

Restoration Plaster - An insight into the application. <https://youtu.be/x8MzujrITUg>
N.b. they are not using the Restoration Plaster Key in this video. Instead, they are using the main restoration plaster with the addition of the Koster SB Bonding Emulsion for the Key coat. Either way can be done.

Please also seek guidance from the individual material Technical Data Sheet or speak with a member of the Delta Technical team.

All mixing of Koster materials to be carried out using an electric mixing paddle.



METHOD OF APPLICATION - for Koster Crisin cream

Obviously, this can vary depending on job site conditions, application surface, etc. For these purposes we shall assume we are applying the system to an above ground internal brick wall post installation of Koster Crisin 76 Concentrate.

In this scenario you would remove the existing and spoiled plaster to a height of 1.2m or 300mm past the last effected area.

1. Preparation

Ensure that the wall surface is clean, free of old plasters or other debonding materials. Remove any surface salts and ensure that the substrate is solid and stable. Carry out any repairs using Koster Repair Mortar Plus and ensure that the mortar grooves are flush with the brick surface.

2. Priming

Spray apply Koster Polysil TG500 using a hand pumped sprayer at a consumption between 150 – 200g/m² over the entire application area. This should gently run on the wall surface. Allow a 30 – 45-minute cure.

3. Key coat

Using the Koster Restoration Plaster Key, mix each 25kg bag with 5 - 6 Litres of clean water. This should be the consistency of a thin slurry. "Cast" the mixed slurry onto the wall using a brush or trowel ensuring you are covering approximately 50% of the wall area at no more than 5mm thick.



4. Main plaster coat

After 30 – 60 minutes you can apply the main render coat using either Koster Restoration Plaster Grey or White.

Mix one 25kg bag with 2.8 – 3.3 Litres of clean water. This is applied using traditional plastering tools in either one or two layers to normally a 2cm thickness. If more than one layer is applied, the lower layer must be scratched to aid in adhesion of following layers.

5. Optional smoothing coat

If desired, Koster Fine Plaster can be applied to give a smooth finish. This is to be applied either within 72 hours of the main plaster application or after 28 days. Mix each 25kg bag with 6 – 7 Litres of clean water and apply again using traditional plastering tools to a thickness between 2 – 5mm. After approximately 7 days, this can receive a painted finish with for instance Koster Silicon Paint White or Koster MF1 Paint.

Available Materials	Unit Size	Consumption
Main Material - Preparation		
Koster Polysil TG200	10kg Drum	150 - 200g/m ²
Koster Restoration Plaster Key	25kg Bag	3kg/m ²
Main Coatings		
Koster Restoration Plaster Grey	25kg Bag	12kg/m ² /cm layer thickness
Koster Restoration Plaster White	25kg Bag	12kg/m ² /cm layer thickness
Optional Finishing Materials		
Koster Fine Plaster	25 kg Bag	1.4kg/m ² .cm layer thickness
Koster Silicone Paint White	10L Bucket	200ml/coat
Koster MF1 Paint (powder)	12kg Bucket	800g/m ²

