

RENOVATION PLASTER

DIFFUSION COMPATIBLE AND SALT STORING

After putting a stop to water penetration through sealing, the damp masonry begins to dry. This process results, in many cases, and especially in older buildings, in the efflorescence or crystallization of salts, which may harm the construction.



TEAM
ISOTEC
WORKMANSHIP
AT ITS FINEST



The problem: Peeling plaster caused by salts

The salts are transported into the existent plaster through capillary moisture. With the evaporation of the moisture, they may crystallize and, by crystalline pressure, cause further peeling of the plaster. Our ISOTEC Renovation Plaster surrounds the salts, prevents further peeling and permits the masonry to dry.



Our 1st step: Preparation

Initially, we remove existing coats of paint, plaster and other problem materials from the masonry. This measure also removes most of the damaging salts. We then prepare the masonry for the application of the roughcast.



Our 2nd step: Improving adhesion

Perfect adhesion of the renovation plaster on the masonry is imperative for a permanent renovation success. For this reason, we apply a roughcast for better adhesion before our ISOTEC Renovation Plaster. This is done in a net-like manner in order to ensure an excellent adhesion of the renovation plaster.



Our 3rd step: Plastering

At last, we apply our ISOTEC Renovation Plaster to the wall. Depending on the degree of salinity, the plaster is applied in one or two coats. Due to its diffusion capacity, the ISOTEC Renovation Plaster ensures the drying of the residual moisture in the masonry.

REFERENCE RECTORY

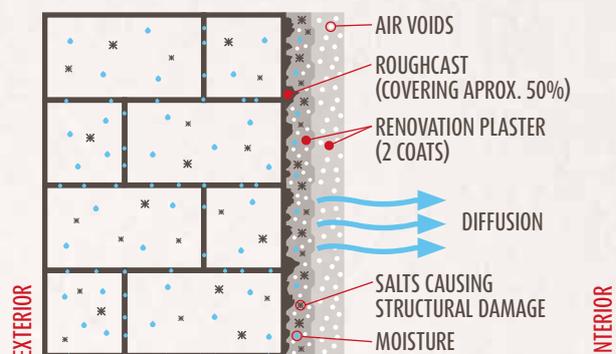
In the last 25 years the ISOTEC Group has successfully sealed more than 100.000 properties in Germany, Austria and Switzerland.

The historic rectory of Pöcking/ Germany had been in desolate condition. Ascending and laterally penetrating moisture, the efflorescence of salts as well as mould left the building practically useless. The renovation concept of ISOTEC, in which the ISOTEC Renovation Plaster was applied as well, permitted a quick and pleasant utilization of the house again.

ISOTEC Renovation Plaster

Although the source of the moisture damage has been removed, it will take a while for the masonry to dry completely. Depending on the type of masonry and the ventilation, it can take up to two years for the moisture within the cross-sectional area of the wall to completely dry.

The high air void ratio of our ISOTEC Renovation Plaster permits the crystallization of salts during the drying phase without causing any damage. For this reason, the renovated space may already be used again during the drying phase.



ISOTEC Quality

At ISOTEC we use only systems that have passed the most rigid tests and fulfil all requirements. The WTA (German scientific-technical consortium for the preservation of buildings and monuments) has confirmed that our ISOTEC Renovation Plaster fulfils all the test criteria for renovation plaster systems.



Wissenschaftlich-Technische
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für Bauwerkserhaltung
und Denkmalpflege e.V.

Your benefits at a glance

- ✓ Drying of the masonry without further damage
- ✓ Quick use of renovated space
- ✓ Improvement of indoor climate
- ✓ Increase of property value
- ✓ Absorption and binding of salts underneath the surface
- ✓ Improved visual aspect



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