

EXTERIOR SEALING

FLEXIBLE AND GROUNDWATER PROOF

If moisture enters the basement through the walls, typical mechanisms of deterioration set in. The degree of damage depends on how long the walls have been exposed to moisture as well as on the type of water exposure. Our ISOTEC Exterior Sealing provides secure protection from lateral moisture penetration.



TEAM
ISOTEC
WORKMANSHIP
AT ITS FINEST



The problem: Lateral moisture penetration

If the exterior sealing is damaged or absent, moisture penetrates the masonry through the area that is in direct contact with the ground. Possible damages may include staining, chipping of paint and plaster, mould infestation and even flooding in the basement.



Our 1st step: Preparation/Plastering

We expose and clean the masonry which needs to be sealed. The junction between the masonry and foundation ledge is rounded out with a concave moulding. We then apply our ISOTEC Sealing Plaster. The plaster ensures ideal adhesion and an even spreading of the subsequent sealing layer.



Our 2nd step: Sealing

We add a textile insert to the first layer of the bitumen and plastic emulsion (ISOTEC-VAS). We then apply another layer of the ISOTEC-VAS sealing. This way we obtain a sealing layer of at least 4 mm in depth.



Our 3rd step: Insulation/Protection

After the ISOTEC-VAS has dried completely, we apply special thermal insulation panels. These panels protect the insulation from damage when the ground is refilled. In addition, they considerably improve the thermal insulation coefficient and thereby the energy balance of the building.

REFERENCE

CENTRAL STATION, MAINZ



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

Amongst others, the ISOTEC Group also renovated the central station of Mainz, which is one of the most important railway junctions of the western Frankfurt Rhine-Main area. In addition to the ISOTEC Horizontal Barrier, the ISOTEC External Sealing was applied to the masonry at four metres of depth. Those measures have resulted in dry walls and the conservation of a beautiful and historic building.

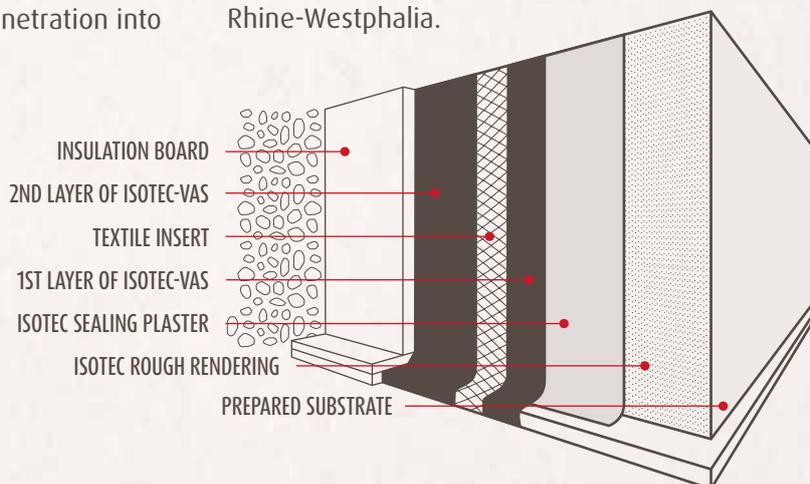
The details are solved

Paying attention to details is essential for a successful sanitation. We have developed solutions for all kinds of details that we may be confronted with during exterior sealing, such as the penetration of pipes, joints or the connection to the base.

We tackle those details according to the architectural elements of the structure by using special materials to reliably prevent lateral moisture penetration into the structure of the building.

Officially approved - scientifically confirmed

At ISOTEC we only apply systems that comply with the strictest regulations. The ISOTEC Exterior Sealing is executed in compliance with the regulations of the WTA (German scientific-technical consortium for the preservation of buildings and monuments). Our ISOTEC Exterior Sealing also complies with all requirements of the Material Testing Office of North Rhine-Westphalia.



Your benefits at a glance

- ✔ Environmentally-friendly and solvent-free
- ✔ Successful sanitation guaranteed - permanent protection
- ✔ Improvement of heat insulation
- ✔ Better health, more safety
- ✔ The pleasant indoor climate after sanitation permits healthy and comfortable living
- ✔ Increase in property value