



PLASTIC DAMP-PROOF COMPOUND

Liquid damp-proof compounds and systems
for flat-roof renovations and damp-proofing

PLASTONIT PRIMER, PLASTONIT COMPOSITE, PLASTONIT GOLD,
PLASTONIT SILVER, PLASTONIT MASTIC, PLASTONIT BOND



ADVANTAGES OF PLASTONIT PLASTIC DAMP-PROOFING COMPOUNDS

1 Easy application

PLASTONIT systems allow for the gradual repair of a roof's damp-proofing layer. Therefore, it is not necessary to invest in complete reconstruction. An SOS repair also reliably treats critical individual roof areas and enables further damp-proof layer recovery and increases its function through the application of more layers.

2 Cost-effective solution

When applying PLASTONIT compounds it is not necessary to remove the old base layers of roof damp-proofing. The gradual maintenance of the damp-proofing layer has a preventive effect which avoids costly general roof repair. Renewed coatings can be applied by the end user following training.

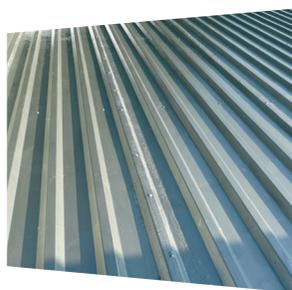
3 Special properties

The reflective PLASTONIT compound prevents the overheating of the roof construction, decreases interior temperatures and saves costs in air conditioning. The sealing technology enables the excellent sealing of problematic areas such as roofing details and permeability.

4 Application in extreme conditions

There are no problems when applying PLASTONIT in adverse climatic conditions such as frost, high humidity and high temperatures.

EXAMPLE OF USE



Sheet-metal roofs



Bituminous roofs



PVC cover renovation



Reflective coating

PLASTONIT COMPOUND APPLICATION EXAMPLE



before

after

For our important client, the CTP group, it was necessary to carry out roof renovation on an administrative building which was damaged, poorly sealed and leaked in an area which was connected to a neighbouring storage facility. Due to these defects there was a leak into the building which was in danger of damaging it.

In order to prevent leaking, special lamination technology – PLASTONIT HYSROSHIELD - was used. At first, part of the original damp-proofing was removed and the transition moulding was sealed. On sealed areas, a new damp-proofing layer with fiberglass laminate was applied and PLASTONIT SILVER was used as a final layer. This layer, with its reflective quality, substantially decreases roof overheating.

ENVIRONMENTAL POLICY



One of the goals of the IZOL-PLASTIK s.r.o. company is to stress maximum protection of the environment. Therefore all our compounds are highly sensitive to the environment. Due to its insolubility after application there is no pollution in the form of rainwater leach. Part of the company's internal manufacture process is also the regular control of raw materials and the end product. Our technology is completely waste-free and therefore does not burden the environment with more waste material. We implemented and keep to the environmental management system according to the ISO 14 001 standard.

The company has defined its own environmental policy to ensure the highest environmental safety. According to the policy we have committed ourselves to dispose of waste water, waste and dangerous substances in a way which eliminates any impact on the environment. We also strive to save energy and effectively use raw materials from manufacturing.

SPECIAL DAMP-PROOFING MATERIALS

The PLASTONIT product line consists of liquid damp-proofing compounds which enable comprehensive flat-roof damp-proofing. The penetration compound for roof reconstructions is the product PRIMER. COMPOSITE is usually applied onto this layer or the special layers GOLD and SILVER. For problematic details and roof sealing, the product MASTIC is used.

PLASTONIT PRIMER

A base penetration compound with high adhesion to all surface types. In the event of an accident, it immediately prevents leaking and is perfect for fast local repairs. At the same time the compound is highly elastic, can be applied in temperatures between 10 and 50 °C and is compatible with a later regenerative layer.

PLASTONIT GOLD

The main damp-proofing layer with high self-leveling damp-proofing quality. After application the compound is chemical and weather resistant, does not crack, corrode or solidify. It can last up to 20 years or more.

PLASTONIT MASTIC

A damp-proofing sealant appropriate for all roof types with high adhesion and lasting elasticity. The sealant is UV radiation, frost and high-temperature resistant.

PLASTONIT COMPOSITE

A liquid damp-proofing compound perfect for applying to a base layer. It demonstrates outstanding self-leveling damp-proofing quality, is highly elastic, colourfast and durable (20 or more years). It reliably protects a roof against the weather.

PLASTONIT SILVER

A reflective, protective damp-proofing compound which significantly increases roof durability and reduces overheating. By applying a reflective SILVER layer it is possible to achieve a 3 to 5 °C reduction in interior temperature. Due to its high adhesion, elasticity and expandability it stays functional even in severe weather conditions. It can easily be applied in low temperatures.

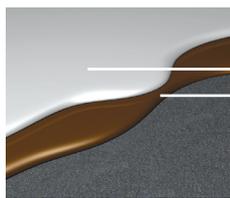
PLASTONIT BOND

A special damp-proofing and sealing compound for rubber damp-proofing bands and PVC coverings. The compound is also suitable for recycled rubber sealing.

ROOF DAMP-PROOFING SYSTEMS

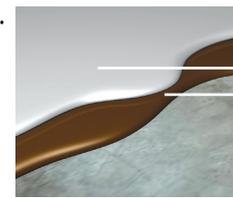
The PLASTONIT systems represent a comprehensive solution for flat-roof repairs and renovations. The maximum effect for a tailored solution is achieved by combining individual products into technologically proven systems. It is possible to choose a system for repair, renewal or protection against weather conditions.

PLASTONIT REFLEX SYSTEM



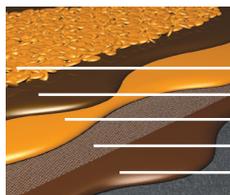
Combined damp-proofing system for new or almost new roofs.
 Top layer: **PLASTONIT SILVER**
 Base layer: **PLASTONIT PRIMER**
Suitable for: bituminous roofing
Used for: mainly with new or nearly new modified bands

PLASTONIT REFLEX STEEL SYSTEM



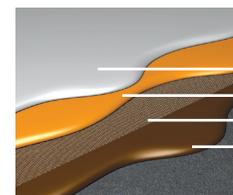
Coating system for corrosion treatment and long-term sheet-metal-roof protection.
 Top layer: **PLASTONIT SILVER**
 Base layer: **ELASTCOM HS**
Suitable for: galvanized iron, aluminium, copper and sheet metal
Used for: suitable for all kinds of sheet-metal-roof protection

PLASTONIT CLASSIC SYSTEM



System for treatment of roofs with worn and non-functional damp-proofing.
 Protective layer: **strewing material**
 Adhesive layer: **PLASTONIT PRIMER**
 Intercoating: **PLASTONIT GOLD**
 Supporting fabric: **fiberglass**
 Base layer: **PLASTONIT PRIMER**
Suitable for bases: flat roofs with old non-functional bituminous bands
Used for: suitable for severely corrupted, cracked roof decks with bubble creation.

PLASTONIT HYDROSHIELD SYSTEM



Laminated system damp-proofing covering for the treatment of damaged bituminous flat roofs.
 Top layer: **PLASTONIT SILVER**
 Interbase layer: **PLASTONIT GOLD**
 Supporting fabric: **fiberglass**
 Base layer: **PLASTONIT PRIMER**
Suitable for: roof membranes
Used for: suitable for severely damaged roof decks with bubble creation.

PLASTONIT SOS SYSTEM

Universal damp-proofing system for repairing roofs in a state of disrepair – ideal for quickly eliminating leaks.
 The system is suitable for roofing with a bituminous base.

REFERENCE

We have already applied PLASTONIT liquid damp-proof compounds to over 2 million square metres of roof. For our clients we usually provide renovations to flat roofs where problems are caused by the original damp-proofing layers. We focus on repairs to roofs made from bituminous bands and membranes, rubber, PVC covers and sheet-metal roofs. Among our most important customers are well-known companies such as CTP group, ORCO, AGROFERT HOLDING, BEGHELLI-ELPLAST, Technoplast Chropyně, Přerovské strojírný, GAUTE Corp., České loděnice Děčín and the foreign companies KOLBE Ukraine and LORANS Bulgaria.



SHEET-METAL ROOFS

For corroded sheet-metal-roofs renovation PLASTONIT offers the advanced technological metal-surface proofing system PLASTONIT REFLEX STEEL. The primer coating inhibits the formation of corrosion and its diffusion over a molecular grid level. The system functionality is increased by the use of a final layer of PLASTONIT SILVER.



BITUMINOUS MEMBRANES

PLASTONIT technology offers a unique regeneration solution for damaged, flat, bituminous roofing, which is based on a blanket continual laminated damp-proofing layer application. HYDROSHIELD creates a new durable damp-proof seamless layer. Due to its special reflective layer this system can also serve as protection against roof overheating caused by solar radiation and therefore provides long system durability.



ROOF SEALING

The outstanding properties of PLASTONIT MASTIC are used in sealing gaps, defect details, small cracks in roofing, for local repairs of bituminous bands and membranes, and repairing sheet metal and concrete. It is a damp-proofing seal which can be used for repairing shrinkage points and different roofing transitions.



REFLECTIVE COATINGS

Reflective coatings are used for reducing the overheating of roof constructions and adjacent areas, resulting in better roof durability and a decrease in the costs of air conditioning for the area. Reflective coatings are implemented with the use of PLASTONIT SILVER technology, a silver-coloured liquid damp-proofing coating which is among the world's most durable damp-proofings. It serves as an excellent protective and reflective layer for the damp-proofing system; it increases its durability and value of the treated roofs for the user.

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ABOUT THE IZOL-PLASTIK COMPANY

The IZOL-PLASTIK s.r.o. company engages in research and development into technology for protective coating systems and special damp-proofing compounds based on the raw material DMT. Our products have unique functional properties confirmed by more than 60 years of experience in the field as well as a number of inspections and certificates. On the basis of our original damp-proofing technology, which is now represented by the PLASTONIT product group, we have linked the development of new material types, resulting in the manufacture of new protective coating systems for the protection of all steel structures, represented by the ELASTCOM brand.

Your supplier:

OUR CLIENTS



OUR CERTIFICATION



- **ISO 9001 certificate** of quality management
- **ISO 14001 certificate** of environmental management
- **ISM politics:** quality of environment assurance
- IZOL-PLASTIK product certificates