

LEYCO-PLAST AC

The superior multi-purpose, seamless and cold applied waterproofing membrane



LEYCOPLAST-AC will deal efficiently with sealing problems, repair and maintenance programmes in the entire construction industry

With LEYCOPLAST-AC you are on the safe side!

LeycoChem **LEYDE**

You can trust LEYCO-PLAST AC for applications to...

LEYCO-PLAST AC

...roofs, balconies and terraces

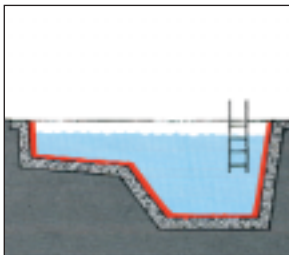
You can apply LEYCO-PLAST AC to all kinds of surfaces, whether it's horizontal, vertical or sloped, like this conical roof of the granary. Whether the material is concrete, bituminous membrane, metal or other construction materials.



By reinforcing LEYCO-PLAST AC cracks are no longer a problem. When the waterproofing is complete, LEYCO-PLAST AC can be used to lay frost proof tiles.

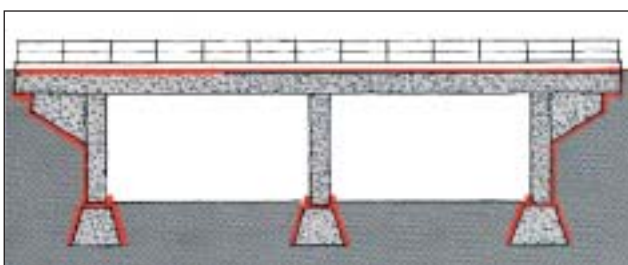
...pools, fountains and damp locations

For fixing tiles LEYCO-PLAST AC can be applied like conventional adhesive with a toothed trowel. Tiles can be laid on top of existing tiles with LEYCO-PLAST AC.



...wide span constructions

LEYCO-PLAST AC can be covered with mastic asphalt without additional procedures. It remains elastic and is permeable for vapor, but impermeable to CO₂/SO₂.



LEYCO-PLAST AC is highly effective to seal joints at balustrades and guardrails. The usage of masking tape is recommended.



LEYCO-PLAST AC is a synthetic rubber/polymer modified cementitious coating. LEYCO-PLAST AC is the ideal product to waterproof, resurface and protect bridges, roofs, balconies, basements, etc. LEYCO-PLAST AC provides an effective barrier to dissolved salts, atmospheric gases and aggressive soils. It is suitable for application to both vertical and horizontal surfaces, either to the pressure or non-pressure faces of the substrate. Even in marine areas and exposed to UV-radiation, ozone and chemical reactions LEYCO-PLAST AC forms a non-ageing, flexible and durable waterproofing and protection membrane. It is resistant to frost and heat after setting and remains permeable to water vapour.

LEYCO-PLAST AC is the predominant alternative for a multi-purpose and labour saving application. LEYCO-PLAST AC requires only on-site mixing of the two pre-packed components before easy application by brush, trowel, roll or spraying.

LEYCO-PLAST AC provides a non-ageing, hardwearing, seamless, cold applied protection and waterproofing membrane for all types of construction structures. LEYCO-PLAST AC can be applied to most construction materials like bituminous membranes, roofing felt, metal, plastic, wood, building board and most other construction materials. In order to improve the crack bridging performance, it is recommended to reinforce LEYCO-PLAST AC with mesh.

The great characteristics

- **light or dark grey colour**
easily cold applied by brush, trowel, roll or spraying
- **crack bridging**
(0.3 to 1.5 mm)
- **highly elastic**
(Elongation of 70%)
- **easy to use (2-comp.)**
only on-site mixing - ready to apply!
- **excellent adhesion**
as well to porous and non-porous
as to even and uneven surfaces
- **applicable to damp surfaces**
surfaces have to be damped
- **highly UV-resistant**
non-aging as waterproofing of roofs
- **vapor permeable**
whilst repelling water, allows the substrate to
breathe, $d = 2,0 \text{ m}$
- **light foot trafficable**
without additional protection
- **highly effective for water bearing structures**
forming a seamless membrane and fixing tiles,
structures can be filled after 24h



To be applied on any old and new surfaces as

- 1 roofs**
made of concrete / with bituminous membranes
- 2 terraces**
with tiles, membranes and coatings
- 3 kitchens, bathrooms and any wet areas**
- 4 screeds and concrete slabs**
after 24h or as soon as it can be walked on
- 5 flooring adhesives**
for carpet and wood
- 6 splash zones**
paintable with all type of paints
- 7 bonding agent**
for insulation boards and tiles
- 8 tanking of basements**
applied on positive or negative side
- 9 overall protection**
against pollution attack, chloride penetration and aggressive soil

Typical applications

Balconies and Terraces
Roofs
Facades
Basements
Stairs
Kitchens, Shower Rooms and Wet Areas
Swimming Pools
Fountains and Ponds
Piers and Retaining Walls
Bridges and Side Beams

Technical Data

Test work done at thickness of 2 mm, each coat with a consumption of 2 kg/m².

Mixing ratio (A+B) 2.5 to 1 by weight
 Temperature Not less than +4 °C

Cured Properties:

Adhesion to concrete 1.7 N/mm²
 Penetration depth of water 0 mm (no leakage)
 Elongation ASTM D2370 70%
 Water absorption 9 %
 after 2 week storage in 3% KOH 5 %
 Toxicity Non-Toxic
 Service temperature - 20 °C to + 150 °C

Resistance to

Freeze-Thaw (50 cycles) < 0.1 g/m²
 Chloride penetration 0.08 %

Crack bridging

before ageing:

start at 0 mm 1.2 mm
 start at 0.3 mm 1.2 mm

after ageing:

start at 0 mm 1.0 mm
 start at 0.3 mm 1.5 mm

Permeability

Vapour (R < 4 m) 2.0 m
 CO₂ (R > 50 m) 640 m



1. Clean with a scraper

Sub-base preparation is important. All loose material must be removed carefully.



2. Sweeping

To work efficiently a meticulous cleaning is essential for the adhesion of LEYCOPLAST-AC. The sub-base must be dust, grease oil free and dampen (but not wet).



3. Primer

On the clean sub-base the LEYCOPLAST-AC is meticulously brushed on. The priming coat must be dry before LEYCOPLAST-AC can be applied



4. Mixing

The dry component is added to the liquid component and mixed with a paddle mixer for about 2 minutes leaving no lumps. The liquid and dry components are pre-packed for easy on-site mixing.



5. Application

LEYCOPLAST-AC is applied in 1 or 2 coats. Ensure reinforcement is well covered with LEYCO-PLAST AC. Apply with a roller, steel trowel, brush or squeegee. Usage: 1.8 kg/m² each coat.



6. Fittings

Fittings to sheet metal, drains or stanchions are easily treated. LEYCOPLAST-AC sticks to metal, plastic, asphalt and bitumen. Cover joints/cracks with masking tape before treatment.

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