



BAYCOFLEX®-1K

One component, bitumen based, rubber modified waterproofing membrane.

Description:

BAYCOFLEX-1K is a one component, water based, bituminous, latex modified waterproofing coating.

Areas of Application:

For the below grade waterproofing of

- floor slabs,
- foundations,
- basement garage ceilings.

For intermediate waterproofing of

- sanitary areas,
- balconies and terraces,

For waterproofing of

- upside down concrete roofs,
- horizontal surfaces of concrete, screed, masonry, or render.

Properties/Advantages:

- Seamless/jointless, crack bridging waterproofing
- One-component, ready to use,
- Solvent free,
- Simple and economical handling,

Technical Data:

Basis: 1-component, rubber modified, bituminous coating

Processing-/

Surface Temperature: +5°C up to +30°C

Density: 1,21 ± 0,02 kg/l

Consumption required for:

Ground moisture, non retaining seepage water:

3,0 kg/m²

Non pressured water:

4,0 kg/m²

Retaining seepage water / pressure water:

5,0 kg/m²

Packaging:

Supplied in 30 kg hobbock

Surface preparation:

The surface must be frost protected, firm, even, have no formation of pockets or gaping cracks, flashes and should have no damaging impurities.

Open voids such as mortar pockets, opened crossed joints, bearing joints etc. with depths of 5 mm or deeper are to be closed with an appropriate mortar such as BAYCOCRET-105.

Brickwork surfaces (or for commonly used porous construction materials) with opened crossed joints (with 5 mm surface profile) must be levelled off. Edges must also be milled and grooves are to be rounded off.

Wall / Floor junctions:

BAYCO-JOINT-TAPE-2000 with TEYAPLAST-2K or BAYCOSEAL-2K/M secured and worked in to the sides. Alternatively precoat with BAYCOSEAL-1K. Concave mouldings to be fitted should be filled using the wet-in-wet method, suitably with BAYCOCRET-BT25/K or BAYCOCRET-130 repair mortar with a minimal leg length of 4 cm. As soon as the area has hardened, including the bottom face side is to be covered with BAYCOSEAL-1K.

Separating joints on building constructions with continuous floor slabs:

Joint tapes (*) with TEYAPLAST-2K or BAYCOSEAL-2K/M (**) secured and worked in to the sides.

(*) Suitable joint tapes such as:

BAYCO-JOINT-TAPE-2000 or BAYCO-JOINT-TAPE-2000-S

(**) For fixing the joint tapes TEYAPLAST-2K or BAYCOSEAL-2K/M, mix only with half of the dispersion mixture. The required speckling consistency is to be controlled by addition of measured water.

TEYAPLAST-2K or BAYCOSEAL-2K/M can be coated/combed in, with a four-toothed trowel, the joint tape is to be pressed in and is to be levelled off.

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Method of Application:

To achieve an optimal surface bonding application, the substrate should be pre-coated with 1 part BAYCOFLEX-1K, to 5 parts diluted water.

After drying out of the prepared pre-coating, the professionally prepared substrate can then be sealed with BAYCOFLEX-1K. A scraped rendering can then be covered to act as the first layer of the surface.

Protective and Sewage plates/slabs:

Suitable protective measures are required when sealing surfaces to protect from strong sunlight and mechanical damaging. Application of protective layers, for eg: using BAYCO-Systemvlies-02 (Fleece system), protective plates and drain element. It is recommended when filling in the floor bonding, with protective plates and drain element to combine and cement with BAYCOFLEX-1K.

Protective layers should not influence the sealant by involving dotted or linear pressure. Corrugated protective plates/slabs or burling sheets are, therefore, not suitable.

Drainage is to be carried out according to DIN 4095. Apply BAYCOFLEX-1K when cementing perimeter insulation (closed cells with protective and drainage slabs).

Cleaning equipment:

Clean equipment immediately with water after use. Hardened material is difficult to remove.

Storage:

In frost protected storage for 12 months in original closed containers, opened containers are to be used up as soon as possible.

Important advices:

- Do not work the surface when the ground temperature sinks below + 5 ° C, especially when raining or when humid rain or air influences the processing.
- Non treated surfaces are to be protected against the influences of BAYCOFLEX-1K.
- Bituminous sealants can not be absorbed by negative water pressure. In areas where this can be expected, then the area to be secured and should be sealed with BAYCOSEAL-1K or TEYAPLAST-2K in advance.

- Masonry crests and open window edgings are to be protected against water intrusion.
- According to the rules of technique, a sealant on the soles of the rising walls can be achieved by applying TEYAPLAST-2K or BAYCOSEAL-2K/M.
- Previous examples of applications on piping, foundations and plinthes are to be regarded.
- The already recommended minimal thickness layer is not to be reduced on any part of the surface.
- The required wet film thickness is not to be exceeded beyond 100%.