



Technical Data Sheet

COMBIFLEX®-AB2

Art.-No 2 05030

Two-component Bituminous Thick Layer Waterproofing

Properties:

- Seamless/jointless, crack bridging waterproofing.
- Two-component.
- Fast rain proof.
- Rapid hardening.
- Solvent free.
- Simple and economical handling.
- Trowelable.

Areas of Application:

Below grade constructions requiring exterior waterproofing:

- Ground moisture and non-retainable seepage water.
- Non pressured water – moderate stress.
- Retainable seepage water.
- Suitable as adhesive for insulation, protective and sewage plates/slabs.

Technical Data:

Basis: 2-component, polymer modified, bituminous thick layer coating

Application-/

Surface Temperature: + 5° C up to + 30° C

Application time: approx. 2 to 3 hrs, depending on temperature and humidity etc.

Crack bridging: more than 2 mm

Consumption req'd for:

- Ground moisture, non retaining seepage water:
3.0 kg/m² = approx. 2.4 mm of dry layer density
- Non pressured water:
4.0 kg/m² = approx. 3 mm of dry layer density
- Retaining seepage water/ pressure water:
5.0 kg/m² = approx. 4 mm of dry layer density

The consumption required for uneven surfaces are not considered.

Packaging: 30 kg hobbock (22 kg of liquid component, 8 kg of powder component)

Storage: in frost protected storage for 12 Months in original closed containers, opened containers are to be used up as soon as possible

Cleaning: Clean equipment immediately with water after use or cleaned with ASO-Kaltreiniger. Once cured material is difficult to remove.

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 for mortar pockets, opened crossed joints, bearing joints etc.with depths of 5mm or deeper are to be closed with an appropriate mortar such as ASOCRETRN.

Brickwork surfaces (according to DIN 1053-1 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.

Method of application:

Wall or Floor joints:

A joint tape (Dichtband)*) with AQUAFIN-2K/M***) secured and worked in to the sides.

Alternatively precoat with AQUAFIN-1K. Concave mouldings to be fitted should be filled using the wet-in-wet method, suitably with ASOCRETRN or cement mortar and addition of ASOPLASTMZ 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 AQUAFIN-1K.

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Separating joints on Building constructions with continuous floor slabs:

A joint tape (Dichtband)*) with AQUAFIN-2K/M***) secured and worked in to the sides.

*) suitable sealing tapes such as:

ASO-Dichtband-2000-S/ADF-Dehnfugenband/
ADF-Hohlkehlenband

**) For fixing the joint tapes AQUAFIN-2K or AQUAFIN-2K/M, mix only with half of the dispersion mixture. The required spackling consistency is to be controlled by addition of measured water. AQUAFIN-2K or AQUAFIN-2K/M can be coated/combed in, with a four-toothed trowel, the sealing tape is to be pressed in and is to be levelled off.

Product preparation:

To achieve an optimal surface bonding application, the substrate can be precoated with 1 part ASOL-FE, to 5 parts diluted water. For mixing the bituminous thick layer a suitable slow mixing drill is to be used. Followed by the mixing in of the liquid component for a short moment and finally mixing the complete powder into the liquid composition, the complete mix is to be achieved without clumping, forming an homogenous mass. After complete hardening and drying out of the prepared precoating, the professionally prepared substrate can then be sealed with COMBIFLEX-AB2. 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 if sealing surfaces have to be protect from strong sunlight and mechanical damaging. Application of protective layers, for eg: using ASO-Systemvlies-02 (Fleece system) and INA Schutz- und Drainelement (Protective drain element). It is recommended when filling in the floor bonding, with INA Schutz- und Drainelement (Protective drain element) to combine and cement with COMBIFLEX-AB2.

Protective layers should not influence the waterproofing 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 COMBIFLEX-AB2 when cementing perimeter insulation (closed cells with protective and drainage slabs).

Important advice:

- Do not work the surface when the ground temperature is below +5° C, especially when raining or when humid air influences the processing.
- Protect non treated surfaces against the influences of COMBIFLEX-AB2.
- Bituminous waterproofings are not suitable for negative water pressure. In areas where this can be expected, apply AQUAFIN-1K as a negative side waterproofing.
- Protect masonry crests and open window ledgings against water intrusion.
- According to the rules of technique, a sealant on the soles of the rising walls can be achieved by applying AQUAFIN-2K or AQUAFIN-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%.
- The sealant coating of the wall surface is to be drawn down to approx. 100 mm on the face of the floor slab.
- Protect COMBIFLEX-AB2 against strong sunlight.
- Fill the building pit id correctly according to VOB.

Please adhere to current EC Materials Safety Data Sheet (MSDS)!

GISCODE: BBP 10