



## Technical Data Sheet

# COMBIDIC®-1K

Art.-No. 2 05011

## Single component polymer modified high-build bitumen coating in accordance with factory specification

### Properties:

- Seamless, jointless crack-bridging waterproof membrane.
- Single component.
- Solvent free.
- Simple and effective application.
- Can be trowel applied.
- General technical test certificate available.
- Conforms to DIN 18195 part 2.

### Areas of application:

Exterior waterproofing of buildings in the ground against:

- ground moisture, non standing drainage water
- non hydrostatic water pressure
- standing drainage water, hydrostatic water pressure (with suitable construction).

### Technical Data:

Basis:	One component, polystyrene filled high-build bitumen coating
Application/substrate temperature:	+5 °C to +30 °C
Substrate condition:	load bearing, flat, free from open joints, damage etc., oil, grease, frost and dust free as well as dry
Crack bridging:	> 2 mm
Packaging:	28 litre containers, 14 litre containers
Storage:	frost free, 12 months
Cleaning:	Rinse tools immediately with water or ASO-Kaltreiniger. Dried material can only be removed with difficulty

Material requirements / dry film thickness:  
Ground moisture / Non-standing drainage water:  
4.0 litres / m<sup>2</sup> approx. 3 mm

Non hydrostatic water pressure:

4.0 litres / m<sup>2</sup> approx. 3 mm

Standing drainage water / Hydrostatic water pressure:

5.0 litres / m<sup>2</sup> approx. 4 mm

Greater material consumption where there are background irregularities cannot be discounted.

### Surface preparation:

The background must be sound, load bearing, frost free, flat and free from pockets and gaping cracks, ridges and separating layers (contamination). Open cavities greater than 5 mm such as e.g. mortar pockets, open vertical and horizontal mortar joints, should be filled with a suitable mortar. Brickwork surfaces to DIN 1053 part 1 or no-fines lightweight building materials, open vertical joints up to 5mm, surface profiles as well as unevenness in the brickwork (e.g. bricks or dense concrete blocks with a mechanical key) must be levelled. Edges must be bevelled and fillets must be rounded.

### Application advice:

#### Internal angles, wall/floor junctions:

Bond a waterproof tape\*) with AQUAFIN-2K\*\*) and work in from the sides. Alternatively apply a slurry coat of AQUAFIN-1K. Whilst still fresh, construct a coved fillet with a minimum 4 cm side length from ASOCRETRN, or a cement mortar (MG III) with the addition of ASOPLASTMZ. Once cured treat this area including the front of the base slab with AQUAFIN-1K.

#### Structural movement joints with continuous floor slabs:

Bond a waterproof tape\*) with AQUAFIN-2K\*\*) and work in from the sides.

#### Application:

In order to achieve an adequate bond with the substrate, apply a preparation coat of ASO-FE diluted 1:5 with water or alternatively apply a coat of COMBIDIC-1K diluted 1:5 with water. Once the

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preparation coat has fully dried, the waterproof membrane COMBIDIC-1K can be applied in a minimum of two coats with a notched or smooth trowel to the professionally prepared substrate. A continuous trowel applied key coat can be used as the first coat. Application is to be wet in wet. Lay the ASO-Systemvlies-02 into the fresh COMBIDIC-1K without overlapping and smooth out with a float.

## Drainage and protective boards:

Protect the waterproof coating from strong sunlight and mechanical damage with a suitable layer e.g. the INA Schutz- und Drainelement. Only place protective layers once the waterproof coating has fully dried out. When back-filling with heavy dense (cohesive) soil bond the INA Schutz- und Drainelement with COMBIDIC-1K. Protective layers must not exert any point loading or linear pressure on the waterproof coating. Studded membranes and corrugated protective boards are therefore not suitable. Drainage is to be carried out in accordance with DIN 4095. Bond closed cell protective and drainage boards (perimeter insulation) with COMBIDIC-2K.

\*) Suitable waterproof tapes are ASO-Joint-Tape-2000-S, ADF-Fugenband and ADF-Hohlkehlenband.

\*\*\*) When fixing the waterproof tapes with AQUAFIN-2K or AQUAFIN-2K/M only mix with half the liquid. Gauge the necessary trowel applied consistency through water addition. Spread the AQUAFIN-2K or AQUAFIN-2K/M with a 4 mm notched trowel, press in the waterproof tape and trowel over.

## Important advice:

- Do not use when it is raining, drizzling or when the air or substrate temperature is below +5 °C.
- Bitumen based waterproof membranes cannot accommodate negative water pressure. In areas where this is expected (see point 2, coved fillets) the area must be waterproofed initially with AQUAFIN-1K.

- Also protect wall copings and open window parapets from water penetration.
- Protect areas not to be treated from the effects of COMBIDIC-1K.
- Protect COMBIDIC-1K from strong sunlight.
- Backfill the building pit in accordance with VOB.

This technical data sheet has been produced based on SCHOMBURG in-house specifications. If required we would be pleased to produce the technical data sheet in accordance with DIN 18195.

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