



## Technical Data Sheet

# COMBIFLEX®-EL

Art.-No. 2 05035

## Bituminous high build waterproof coating

### Properties:

- Cationic.
- Immediately rain-proof.
- Environmentally friendly.
- Simple and economical application.
- Bonding caused by its own reaction of properties (independent from air temperature).
- Application on dry or matt dry surfaces without priming.
- General technical test certificate according to DIN 18195-2 available.

### Areas of application:

Exterior waterproofing against:

- ground moisture
- humidity
- pressure water (with suitable construction)

### Technical Data:

Basis:	2 component, high build trowelable waterproofing compound
Substrate temperature:	+ 5° C upto + 30° C
Surface temperature:	+ 5° C upto + 30° C
Substrates:	Masonry, concrete, plaster
Surface condition:	even surfaces, free of open joints, fractures, dry to moist, be free of oils, fat, frost or dust, be of load carrying capacity
Pot life:	approx. 45 to 60 minutes
Crack bridging:	> 2 mm
Official tests:	MPA (material test institute) Dresden

### Consumption / thickness of layer:

Ground moisture, slope water,	
non pressure water:	3.75 l/m <sup>2</sup> to approx. 3 mm
Pressure water:	5 l/m <sup>2</sup> to approx. 4 mm

The consumption of material concerning uneven surfaces has not been taken into account.

Packaging:	22 l Maxi-pail
Storage:	6 months in frost free storage in original closed containers. Use already opened containers promptly.
Cleaning agent:	Clean tools with water or with ASO-Kaltreiniger immediately after use. Once cured residues is difficult to remove.

### Product preparation:

#### 1. Surface

Before applying COMBIFLEX-C2/EL, the surface has to be prepared professionally.

Masonry:	Prepare the surface flush-jointed. Level opened joints, uneven areas, pockets or holes.
Concrete, plaster:	Clean the surface from parting agents. Defected areas are to be treated and levelled.

#### 2. Internal corner, wall/floor junctions

ASO-Joint-Tape-2000 is fixed with AQUAFIN-2K/M and overcoat. Alternatively a concave moulding might be set. Prime corners such as wall-floor junctions with AQUAFIN-1K. Fresh-in-fresh, form a concave moulding with ASOCRET-RN or cement mortar MG III (mortar group) with mixture of ASOPLAST-MZ and leg length of 4 cm. After setting of AQUAFIN-1K seal the concave moulding with AQUAFIN-1K again. Apply COMBIFLEX-EL on the dried AQUAFIN-1K layer.

#### 3. Expansion joints

Seal expansion joints with ASO-Joint-Tape-2000S (while forming loops) and fix with AQUAFIN-2K. If the waterproofing layer is subjected to pressure water, the expansion joint is to be reinforced using an

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additional foamed plastic round cord. Subsequently ASO-Joint-Tape-2000S is fixed again with AQUAFIN-2K and overcoat.

## 4. Product preparation

Open the container with the liquid component carefully, pour the complete mass on the powder component inside the pail. Mix with a slow running drill until a homogeneous mass is achieved. COMBIFLEX-EL is to be applied without priming and is to be trowelled. Fill uneven areas with a preceding scratch coat. To achieve a uniform coverage it is suggested to use a toothed trowel (10 to 12 teeth) using the scratch and combing method, the surface can then be smoothed to create an excellent finish. Grooves or ridges on the plaster surface, bulked pores formations and other uneven areas are to be scratched out and made even using COMBIFLEX-EL. The required thickness layer is to be applied using the fresh-in-fresh method. We strongly recommend to apply on the green COMBIFLEX-EL layer, the ASO-Systemvlies 02 (protection fleece) without overlapping and smoothing off using a trowel or broom. Negative water pressure should be avoided at all cost.

## 5. Drain and protection boards

Sealants are to be made waterproof and be protected against direct strong sun influence, rains, frost and mechanical damaging by means of drain boards such as INA Schutz- und Drainlement (protection board). Protective layers must be applied after COMBIFLEX-EL has completely hardened. The protective measures must not effect the pressure (by dots or lines) onto the sealing. Therefore corrugated boards are not suitable. Drain boards are to be flat. The drainage is effected according to DIN 4095.

Drain boards are to be connected to the sealing with lumps of COMBIDIC-1K.

## Important advice:

- Bituminous coatings do not resist negative water pressure. In case negative water pressure is to be expected the surface has to be sealed with AQUAFIN-1K in advance.
- Protect masonry tops or opened window parapet against intruding water.
- According to the general rules of technique a waterproofing with AQUAFIN-2K has to be applied under the rising walls, on the bottom and open spandrel wall. For details such as passing pipes through walls please regard our technical descriptions.
- Examples of application: such as passing pipes through walls or structures, foundations and columns are to be carefully regarded.
- Protect COMBIFLEX-EL from direct sunlight.
- Protect non treated areas against the influences of COMBIFLEX-EL.
- Do not exceed the specified thickness of COMBIFLEX-EL by 100 % in any area.
- The building pit has to be refilled according to VOB.

This data sheet is according to SCHOMBURG factory recommendations. If you desire to work according to DIN 18195, we can supply a different procedure to meet the requirements of this regulation with COMBIFLEX-EL.

Please adhere to current European Materials Safety Data Sheet!

GISCODE: BBP 10