



## Technical Data Sheet

# COMBIFLEX®-C2/S

Art.-No 2 05017

## Two-component bituminous thick layer waterproofing for spraying application

### Properties:

- Seamless and jointless flexible crack bridging waterproofing.
- Suitable for all common surfaces.
- Immediately rain-proof.
- Environmentally friendly.
- Simple and economical application.
- Bonding caused by its own reaction of properties.
- Cement and chromate free powder component.
- Application also suitable on extremely wet or dry surfaces without priming.
- Can be sprayed with appropriate spraying machine.
- 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, polymer-modified bitumen spactling compound
Application temperature:	+ 5° C upto + 30° C
Surface temperature:	+ 5° C upto + 30° C
Substrates:	Masonry, concrete, plaster
Surface condition:	sound, free from joints, dry or extremely wet, free from oil, fat, grease or dust, of load carrying capacity
Pot life:	60 minutes
Official tests:	MPA (material test institute) Dresden
Consumption / thickness of layer	
<b>On Masonry:</b>	
Ground moisture, slope water,	
non pressure water:	4.0 l/m <sup>2</sup> /2,5 mm
Pressure water:	6.0 l/m <sup>2</sup> /4 mm

### On concrete:

Ground moisture, slope water,	
non pressure water:	4.0 l/m <sup>2</sup> /2.5 mm
Pressure water:	6.0 l/m <sup>2</sup> /4 mm

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

### Packaging

(A-component):	28, 180 and 1000 l barrel
(B-component):	10 l pack
Storage:	6 months, frost free
Cleaning agent:	Clean tools with water or ASO-Kaltreiniger immediately after use.

### Product preparation:

#### 1. Surface:

Before applying COMBIFLEX-C2/S 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. Defect areas has to be treated levelled.

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

ASO-Joint-Tape-2000 is fixed with AQUAFIN-2K 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 a leg length of 4 cm. After setting of AQUAFIN-1K seal the concave moulding with AQUAFIN-1K again. Apply COMBIFLEX-C2/S on the dried AQUAFIN-1K layer.

#### 3. Expansion joints

Seal expansion joints with ASO-Joint-Tape-2000S (while

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forming loops) and to fix with AQUAFIN-2K. If the waterproofing layer is subjected to pressure water, the expansion joint is to be reinforced using an additional foamed plastic round cord. Subsequently ASO-Joint-Tape-2000S is fixed again with AQUAFIN-2K and overcoat.

## 4. Product preparation

Open the bag of the liquid component with a knife, pour the complete mass on the powder component inside the pail. Mix with a slow running drill until a homogeneous mass is achieved. COMBIFLEX-C2/S is to be applied without priming.

## 5. Drain and protection boards

Protect waterproofings against direct strong sun influence by means of drain boards such as INA Schutz- und Drainlement (protection board). Protective layers must be applied after COMBIFLEX-C2/S 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-2K.

### 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.
- Protect COMBIFLEX-C2/S from direct sunlight.

- Do not exceed the specified thickness of COMBIFLEX-C2/S 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-C2/S.

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