



Technical Data Sheet

COMBIFLEX®-Fastbit

Art.-No 2 05039

2-component spray applied bitumen-latex waterproof coating

Properties:

- Seamless, joint-free, flexible crack-bridging spray applied waterproof coating
- Solvent free
- Extremely elastic
- High degree of crack-bridging
- Suitable for all conventional building substrates
- Immediately rainproof
- Rapid cure

Areas of application:

COMBIFLEX-Fastbit is suitable for waterproofing buildings in contact with the ground such as e.g. basements, foundation slabs or floor slabs and on roofs under appropriate non-absorbent thermal insulation. It is also suited as a waterproofing system beneath screeds.

Typical Properties:

Basis:	2-comp. polymer modified high build bitumen coating
Solids content:	approx. 55%
Density:	approx. 1.01
Mixing ratio:	9:1
Reaction time:	approx. 5 seconds
Application/ substrate temp:	min. approx. +5° C to max. approx. +35° C
Substrate:	masonry work, concrete, render
Curing time:	approx. 24 hours at +23 °C / 60% RH

Technical Properties:

Application equipment:	2 component spray equipment from Dittmann. For more details contact your nearest Technical Support Office.
Crack bridging:	> 5 mm (DIN 28052-6) > 50 mm (ASTM C 836:95)

Water permeability:	Watertight (DIN 52123, 1 mm slit pressure) 5 bar (DIN 1045)
Adhesion strength*:	> 0,5 N/mm ² at 28 d (DIN EN 1542)
Elongation*:	> 500 % (DIN 53504)

Substrate preparation:

The substrate must be free from frost, be solid, flat, free from clusters and gaping cracks, ridges and be free from deleterious contamination. Unclosed cavities greater than 5 mm, e.g. pockets of mortar, open day joints and construction joints are to be sealed with a suitable mortar. Masonry work surfaces to DIN 1053 part 1 or no-fines materials, open butt joints up to 5 mm in the surface profile or unevenness of blockwork (e.g. rendering grooves in brickwork or high density concrete blocks) must be levelled out. Corners must be bevelled and fillets rounded.

Wall/floor junctions:

Wall and floor junctions are to be provided with a coved fillet. Here the building units are slurried with AQUAFIN-1K and a coved fillet produced with ASOCRETRN into the wet slurry coat, with a side length of min. 4 cm. Once the mortar has set overcoat this area, including the front edge of the base slab with AQUAFIN-1K.

Product application:

Spray apply the COMBIFLEX-Fastbit with a Dittmann 2-component sprayer onto the properly prepared substrate, in accordance with the operating instructions. Do not mix the product prior to application. Mixing of the A and B components commences at the nozzle of the spray gun. Evenly apply the necessary thickness depending on the loading cases which the coating will be exposed to.

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Drainage and protective boards:

Protect the waterproofing from strong sunlight and from mechanical damage using suitable protective measures e.g. INA protective and drainage unit. Only bond protective layers after the waterproof coating has fully dried through. 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. Bond closed cell protective and drainage boards (perimeter insulation) with COMBIDIC-2K.

Estimating & Supply:

Consumption:

approx. 3.3 l/m² = approx. 2 mm dft

Packaging:

Component A is available in 180 litre drums and 1000 litre containers.

Component B is available in 20 litre cans.

Cleaning & Equipment Maintenance:

After use flush and clean the spraying equipment and accessories with the recommended machine cleaner from Dittmann. Once cured material is difficult to remove.

Storage & Shelf Life:

6 months when stored free from frost in the original unopened container. Use opened containers promptly.

Important advice:

- Not for sale and distribution in Germany!
- Bitumen based waterproof membranes cannot accommodate negative water pressure. In areas where this is expected the area must be waterproofed initially with AQUAFIN-1K.
- Also protect wall copings and open window parapets from water penetration.
- In accordance with recognised technical regulations undertake waterproofing beneath walls and on base slabs with AQUAFIN-2K or AQUAFIN-2K/M.
- Protect COMBIFLEX-Fastbit from strong sunlight.

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