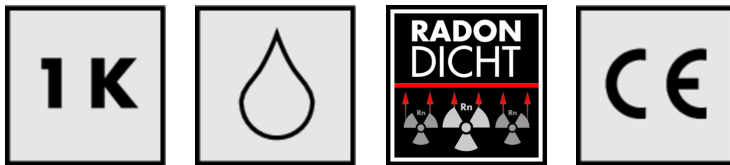


COMBIDIC®-1K-S

1K component bituminous thick layer coating (PMBC)



Material number	Contents	Unit of quantity	Colour
205043002	32	L	Black
205043003	940	L	Black

Product features

- Ready to use
- Waterproofing material in accordance with DIN 18533, DIN EN 15814
- Seam-free and jointless, flexible, crack-bridging waterproofing
- Optimised for spray application

Advantages

- Highly suitable for spraying
- Hand and machine application
- Rapidly rainproof
- Radon tight

Fields of application / waterproofing

- For waterproofing building components in direct ground contact with ground moisture and non pressure water (W1.1-E, W1.2-E in accordance with DIN 18533)
- for waterproofing pressing water (W2.1-E in accordance with DIN 18533)
- for waterproofing splash water and ground moisture at the wall base (W4-E in accordance with DIN 18533)
- As retroactive building waterproofing in accordance with WTA datasheet 4-6
- As an adhesive for protection and drainage boards

COMBIDIC[®]-1K-S

Technical Data

Material properties

Product components	Ready to use
Base material	Polystyrene filled bituminous thick layer coating
Consistency	Filler consistency
Density, ready to use product (ISO 1183-1)	approx. 0.8 kg/dm ³
Crack bridging DIN EN 15812	> 2 mm
Crack bridging ability (classification DIN EN 15814)	CB 2
Rainfast performance in accordance with DIN EN 15816 (classification)	< 8 hours (R2)
Watertightness DIN EN 15820 (slotted disc pressure 1mm)	>0.75 bar (W2A)
Watertightness (classification DIN EN 15814)	W2A
Compressive strength in accordance with DIN EN 15814	C2A
Compressive strength in accordance with DIN EN 15815	0.3 MN/m ²
Classification of the reaction to fire in accordance with DIN EN 13501-1	E

Application

Substrate/application temperature	from 5 °C to 30 °C
Consumption pro m ² and mm layer thickness	approx. 1.15 l
Hardening time / full resilience	approx. 2 days

Material consumption

Material consumption rate according to the area of application

Application technology

Aids/tools

- Serrated or layer-thickness trowel
- Trowel
- Flat trowel

Manual processing

Can be trowelled off

Machine application

COMBIDIC[®]-1K-S can be mechanically applied. For precise information, see the additional Technical Information No. 43.

Suitable substrate

Building components in direct ground contact

Substrate preparation

Requirement for substrate

1. Frost-free
2. Load-bearing
3. Even
4. Pore open
5. Sealed in the surface
6. Free of adhesion inhibiting substances

Preparing the details

1. Edges are to be chamfered and corners are to be rounded.
2. Depressions > 5 mm and mortar pockets, plaster grooves in brickwork, open butt or bed joints, damaged areas, large pored substrates or uneven masonry work must be levelled in advance with ASOCRET-M30.

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Intersections

1. Intersections must be connected to the pipes or casing pipes by means of sealing coves. Alternatively, depending on the nominal diameter, ASO-Joint-Sleeve-Floor, ASO-Joint-Sleeve-Wall or ADF-Pipe-Gasket can be used.
2. The following area is to be waterproofed and must be carried out at least 5 cm onto the pipe penetration.

Splash water zone / plinth area

1. In the area of the splash water zone, the waterproofing must be run a minimum 30 cm above the ground.
2. After being adjusted to the ground, the waterproofing must reach ≥ 15 cm above ground level.
3. As standard, this connection is established with flexible, cementitious waterproofing slurry, e.g. AQUAFIN-RB400, in order to achieve an adhesive substrate, e.g. for building skirt renders, etc.
4. The overlapping of the bituminous thick layer coating on the waterproofing slurry is min. 10 cm here

Wall/floor transitions, internal corners, joints

1. Pre-screen the professionally prepared substrate with AQUAFIN-1K or ASOCRET-M30 featuring consistency that can be screened, and install a sealing cove of ASOCRET-M30 with an edge height of at least 4 cm while it is still wet.
2. In the area of structural movement joints, the waterproofing is reinforced with ADF-Dehnfugenband (Expansion-Joint-Tape) or ASO-Joint-Tape-2000-S and integrated in the area waterproofing.

Usage

Application

1. Prepare the substrate with a primer coat of ASOL-FE (diluted 1:5 with water).
2. Alternatively, AQUAFIN[®] primer can also be used to consolidate the substrate.
3. In the case of very absorbent concrete substrates, a scratch coat is recommended to avoid the formation of air bubbles in the bituminous thick layer coating.
4. After complete drying of the primer / scratch coat, COMBIDIC[®]-1K-S can be applied.

Water exposure class W1.1-E and W1.2-E

1. Homogenise COMBIDIC[®]-1K-S before application.
2. Apply COMBIDIC[®]-1K-S with a flat trowel in min. 2 application steps.
3. To achieve an even layer thickness, ideally comb with a toothed trowel or coating thickness trowel of the appropriate size and form a sealed surface with the smooth side of the toothed trowel.
4. In the area of the base slab, the waterproofing must be run at least 10 cm down the end face of the sill.

Water exposure class W2.1-E and W3-E

1. Apply COMBIDIC[®]-1K-S with a flat trowel in min. 2 application steps.
2. The ASO[®] reinforcing fabric is to be installed on the fresh first waterproofing layer.
3. Before applying the second layer, the first layer must have dried sufficiently to exclude damage by the following layer.
4. In the area of the base slab, the waterproofing in water exposure class W2.1. must be run at least 15 cm down the end face of the sill.

Testing the waterproofing

A layer thickness check should always be carried out and documented. The layer thickness check is carried out in the fresh condition by measuring the wet film thickness (at least 20 measurements per building project or at least 20 measurements per 100 m²). Drying / the dry film thickness is destructively tested using the wedge cut method on a reference sample consisting of the project substrate stored in the building pit.

Back-filling of the building pit:

Back-filling the building pit can take place after the bituminous thick layer coating is totally dry.

Cleaning tools

Rinse tools with water immediately after use. Dried material is difficult to remove.

Drainage and protection boards for building components in direct ground

The waterproofing must be protected against weathering influences and mechanical damage using suitable protective measures in accordance with DIN 18533. 1. The waterproofing must be totally dry. 2. Suitable protection and drainage boards can be fixed in place with COMBIDIC-1K/-S in batches. 3. Perimeter insulation must cover the whole area and be butt jointed with COMBIDIC-2K-CLASSIC or COMBIDIC-2K-PREMIUM. 4. Drainage is carried out in accordance with the specifications of DIN 4095.

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Storage conditions

Storage

Store in a frost-free, cool and dry place. At min. 5 - 40 °C for 12 months in the original canister. Promptly use opened canister.

Notes

- Protect surfaces that are not to be treated from the effects of COMBIDIC[®]-1K-S!
- Negative water pressure cannot be absorbed by bituminous waterproofing. It is necessary to apply waterproofing with AQUAFIN[®].1K beforehand in the areas in which this can be expected.
- Do not apply during rain or with air / substrate temperatures below +5 °C.
- Protect masonry work tops and open window parapets against water penetration.
- The load case-specific minimum film thickness must not be undershot at any point at the time of acceptance!
- The required wet film thickness must not exceed 100% at any point.
- Protect COMBIDIC[®]-1K-S from weathering influences such as rain, frost, strong solar radiation, etc. until totally dry!

GISCODE: BBP10

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