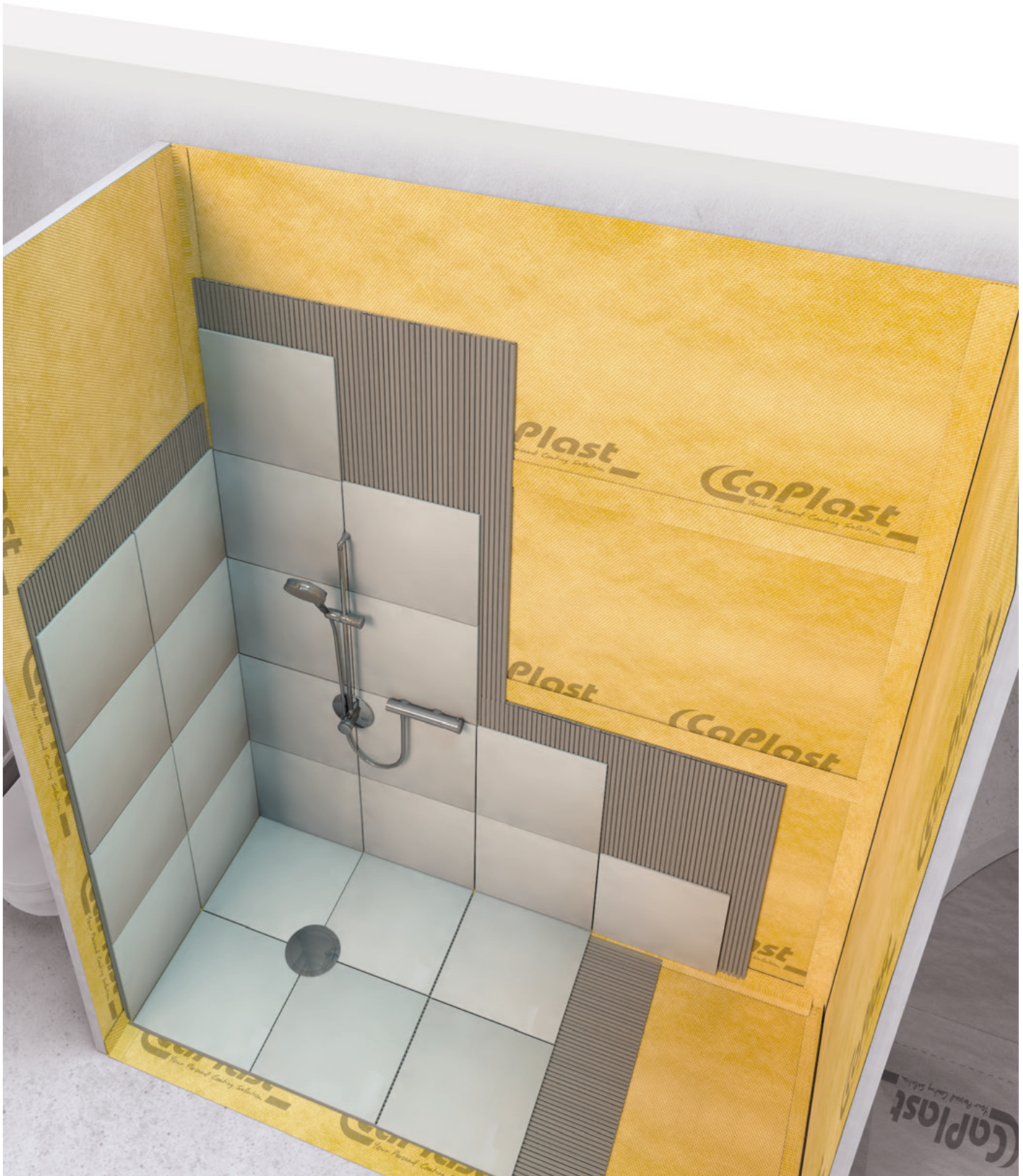


# CaFloor DIBA

## Technical Data Sheet Sealings



**Type:** CaFloor DIBA consists of a polypropylene layer laminated on both sides with a polyethylene film.

**Area of application:** Interior and exterior. Wall and floor.

The sealing of wall and floor surfaces under tiles and slabs is necessary in order to meet the requirements of stressed environments. Such stresses occur in particular in shower rooms, bathrooms, shower areas above bathtubs, sanitary rooms, swimming pools, on balconies and terraces as well as in areas subject to chemical stress such as commercial kitchens.

## **DIN 18534 - Waterproofing of interiors:**

CaFloor DIBA can be used for water exposure classes W0-I, W1-I, W2-I and W3-I (certified system) according to manufacturer's specification with ETA according to ETAG 022.

## **DIN 18535 - Waterproofing of tanks and basins:**

CaFloor DIBA can be used for waterproofing tanks and basins indoors and outdoors in water exposure class and outdoor areas in water exposure class W1-B.

## **DIN 18531 – Waterproofing of roofs, balconies, loggias and arcades:**

CaFloor DIBA can be used for waterproofing balconies and terraces in combination with tiles or slabs. Tested in accordance with the guideline for European technical approval (ETAG 022) for waterproofing walls and floors in wet rooms, Part 2: Waterproofing membranes. Building authority approved for the creation of bonded waterproofing in wet areas subject to high loads in classes A, B and C accordingly.

## **Processing:**

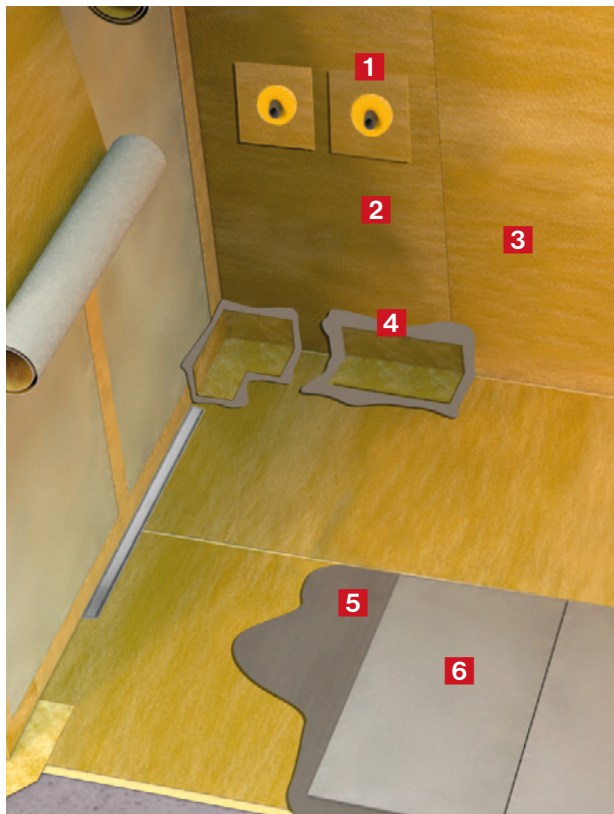
1. The substrate preparation requires a dry, clean, stable and even surface, free of any components that could impair adhesion. If necessary, leveling measures and an appropriate primer must be carried out before installation.
2. The choice of adhesive depends on the nature of the substrate. The adhesive must ensure good adhesion to the substrate and anchor itself mechanically in the backing layer of the waterproofing membrane. In most cases, a hydraulically setting must be taken to ensure that there are no material incompatibilities. When using covering materials with a side length of  $\geq 30$  cm, a tile adhesive (rapid adhesive) with crystalline water bonding is recommended for rapid strength development and drying of the mortar. It is also possible to bond the entire surface with a suitable sealing slurry (quick-setting). This increases safety and saves time.

**Note: In areas that require approval by the building authorities, only system-tested thin-bed mortar and sealing adhesive must be used. Information on this is available at the address given in this data sheet.**

3. The thin-bed mortar is applied to the substrate using a notched trowel (recommended 3 x 3 mm or 4 x 4 mm) onto the substrate.
4. The membranes, previously cut to size, are completely embedded in the adhesive with the backing membrane into the applied adhesive. We recommend using the smooth side of the notched trowel or a screed grating board. Air pockets must be avoided and the open time must be observed.
5. Membranes in the joint area should overlap by at least 5 cm and be joined with sealing adhesive or suitable MS polymer adhesive or butt-jointed and fully bonded with CaFloor DIBA using the sealing adhesive. The distance marking can be used as a minimum overlap point when laying full-width sheets. The drying and processing time of the sealing system can be influenced by temperature and is between +5°C and 30°C.
6. Prefabricated corners should be used for internal and external corners. Corner connections require appropriate bonding of the sealing tape. Connections to fixed installation parts must also be made in a functional manner.
7. Sealing sleeves (pipe sleeves) must be glued into pipe penetrations.
8. In the area of thin-bed floor drains, a cut-to-size connection collar of the format 50 x 50 cm CaFloor DIBA must be clamped or glued tightly into the flange of the floor drain. The adjoining membrane must be brought up to a distance of approx. 10 cm and bonded tightly to the connecting collar without cavities.
9. After the entire bonded waterproofing with all overlaps, corners and connections are tightly bonded, the laying of the covering can begin. The tile adhesive and sealing mortar must have hardened by this time.
10. For tiling, hydraulically setting thin-bed mortar is applied directly to CaFloor DIBA (wall or floor) and the tiles are embedded in it over the entire surface. For coverings exposed to chemicals, suitable reaction resin adhesives and grouts must be used. In areas that are CE-compliant or in accordance with the general building inspectorate test certificate (abP), only system-tested thin-bed mortar and sealing adhesives must be used.



# CaFloor DIBA Application



- 1** Sealing sleeve
- 2** Sealing adhesive
- 3** Sealing membrane
- 4** Sealing tape
- 5** Tile adhesive
- 6** Optional surface (e.g. tiles)

## FIELDS OF APPLICATION

Wall and floor

Heated and unheated screed surfaces

Sealing against moisture

Also suitable for dry lining

Balconies and terraces

## BENEFITS

Waterproof

Bridges cracks

Uniform layer thickness

Alkali-resistant

Fast processing possible

Easy to apply

## TECHNICAL DATA

Finished weight (g/m <sup>2</sup> )	<b>280 (-5 +50)</b>
Thickness (mm)	<b>0.6 ± 0.1</b>
Thickness of the functional layer (mm)	<b>≥ 0.2</b>
Fire behaviour	<b>E applied</b>
s <sub>d</sub> -Wert (m)	<b>70 (-5 +20)</b>
Nail tear resistance L/T (N/15 mm)	<b>100/60 ± 30</b>
Elongation L/T (%)	<b>110 ± 30</b>
Water tightness (bar)	<b>1.5</b>
Tensile strength (MPa)	<b>≥ 0.2</b>
Temperature resistance (°C)	<b>-30 to +80</b>
Roll width/Roll length (m)	<b>1/30</b>

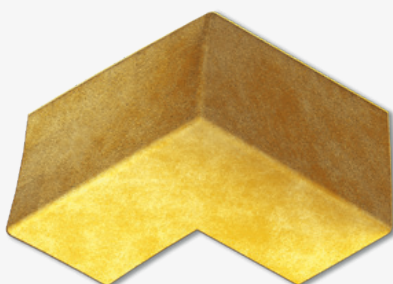
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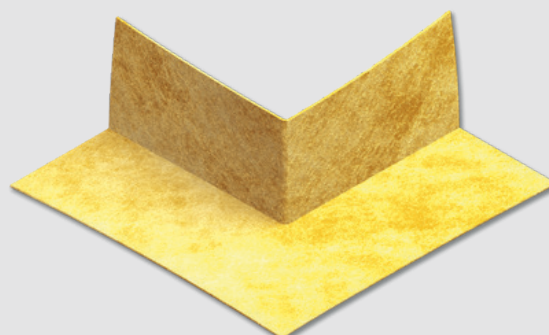
CaFloor System sealing tape



Roll CaFloor DIBA

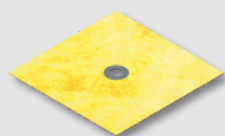


CaFloor DIBA Inside corner

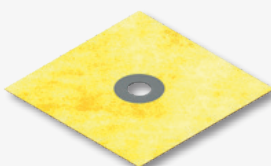


CaFloor DIBA Outside corner

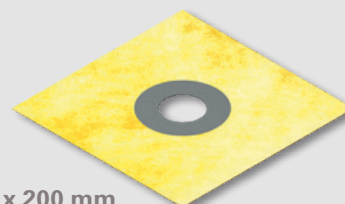
## CaFloor DIBA Sealing sleeves with elastic expansion zone



120 x 120 mm

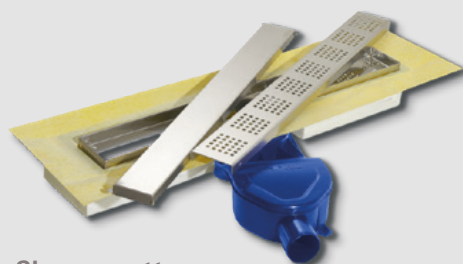


150 x 150 mm



200 x 200 mm

In accordance with the specifications of ETAG 022, Part 2, the certified "system" consists of the CaFloor DIBA sealing membrane and the system products listed below. A complete list of system-tested tile adhesives can be supplied on request from CaPlast Application Technology.



Vario Line Shower gutter



Soudal Soudatight Hybrid adhesive



Liquid waterproofing Akkit 301



Sealing adhesive Trevi Fix Special adhesive