

Sealing and stress-relieving sheet

CODEX HYDROSTOP

Waterproof, crack-bridging sealing and decoupling roll for use under tile and natural stone coverings

APPLICATIONS

Waterproof, crack-bridging sealing and decoupling sheet for creating composite seals with a water vapour barrier effect for damp or wet building components before laying tile and natural stone coverings. Protects surrounding building components from moisture penetration and other damaging substances. codex Hydrostop can be used on walls and floors in interior and exterior areas.

For waterproofing in accordance with:

DIN 18534, waterproofing of interior spaces with water exposure classes W0-I, W1-I, W2-I and W3-I (walls only), even under chemical stress.

ZDB leaflet, stress classes A, C and A0.

ETAG 022 Part 2: codex Hydrostop complies with the guidelines for European technical approval for "Waterproofing for walls and floors in wet rooms" Part 2: Kits with waterproofing membranes, version November 2010.

Ö-Norm B 3407, for stress classes W3 to W6.

On mineral substrates prone to cracking, codex Hydrostop can also be used to decouple tile and natural stone coverings.



PRODUCT BENEFITS/FEATURES

- ▶ Waterproof
- ▶ Flexible
- ▶ Easy to work with
- ▶ Low construction thickness
- ▶ Ready to use
- ▶ For interior use

SUITABLE FOR USE ON

- ▶ Private baths and showers
- ▶ Shower facilities in commercial and industrial areas
- ▶ Shower facilities in sports and fitness studios
- ▶ Swimming pool surrounds
- ▶ Commercial kitchens
- ▶ Balconies and terraces

SUITABLE ON

- ▶ Cement and calcium sulphate screeds
- ▶ Concrete (at least 3 months old) mastic asphalt
- ▶ Lime-cement, cement and gypsum plaster
- ▶ Plasterboard, plaster fibreboards and dry wall panels
- ▶ Dry screed elements
- ▶ Heated constructions

TECHNICAL SPECIFICATIONS

Pack type	roll
Pack size	30 m ² (30 x 1 m) or 42 m ² (30 x 1.4 m)
Shelf life	24 months
Color	green
Length	30 m
Width	1 m or 1.4 m
Thickness	approx. 0.6 mm
Burning behaviour	B2 according to DIN 4102-1
SD value	122 m according to EN 15572



SUBSTRATE PREPARATION

Depending on the water impact class, the following codex system products can be used:

Bonding the sheet with:

codex Power CX 3 grey/white, codex Power CX 5, codex Power CX 9, codex Power RX 4 ultra, codex Power RX 6 Turbo, codex Power RX 11 Outdoor, codex Stone SX 80 Cristal, codex Fliesopur, codex AX 230.

Sealing accessories for load class A, A0:

(corresponds to water impact classes W1-I and W2-I without chemical exposure)

codex DB 120 with corners, codex DB 140 with corners, codex Sealing tape with corners, codex Sealing Sleeve wall, codex Sealing Sleeve floor.

Joint bonding with: codex AX 220, codex AX 230, codex NC 210, codex SK 100, codex Epo 2000.

Sealing accessories for load class C:

(corresponds to water impact class W3-I with chemical exposure)

codex Sealing tape with corners, codex Sealing Sleeve wall, codex Sealing Sleeve floor.

Joint bonding with: codex SK 100, codex Epo 2000.

Installation of the tiles:

codex Power CX 1, codex Power CX 2, codex Power CX 3 grey/white, codex Power CX 4, codex Power CX 5, codex Power CX 7, codex Power CX 9, codex Power RX 4 Ultra, codex Power RX 6 Turbo, codex Power RX 11 Outdoor, codex Stone SX 50 MB, codex Stone SX 80 Cristal, codex Fliesopur, codex X-Fusion, codex X-Tensive.

Outdoor application:

In outdoor areas, codex Power RX 11 Outdoor or codex AX 230 must be used for bonding codex Hydrostop (including the overlap joints) and the molded parts. The covering must be installed exclusively using codex Power RX 11 Outdoor or codex Fliesopur.

Test the substrate in accordance with applicable standards and notices and report any deficiencies. In order to test the suitability of the substrate for the intended load and water impact classes, the execution guidelines of DIN 18534 or the general test certificate issued by the building authorities must be observed.

The substrate must be sound, dry, flat, free from cracks, load-bearing and free from materials that could impair adhesion strength. Mechanically prepare smooth concrete surfaces, adhesion-reducing or weak layers and clean dust-free, if necessary.

Flowscreeds must be ground, vacuumed and primed. Allow primers to always dry completely. Heated screeds must be treated according to "Interface coordination for heated floor constructions" (heat drying, heating to accelerate readiness for covering).

Prepare substrate according to type and properties with suitable primers and levelling compounds from the codex range of products. Possibly required smoothing for levelling purposes must always be carried out before applying the composite seal.

Refer to the product data sheets for other codex products used.

APPLICATION

1. Lay out codex Hydrostop with the printed side facing upwards, cut to size and roll up again.
2. Mix codex thin-bed mortar and apply with a 4 mm toothed ridge. Observe open time.
3. Place codex Hydrostop sheet by sheet into the fresh mortar bed and covering the complete surface, e.g. with the smooth side of the trowel, grind from the middle outwards. Air pockets should be avoided. Bond the following lengths with an overlap of at least 5 cm.
4. The tight bonding of the joints, sealing tapes, sealing corners and sealing collars must be carried out with a codex sealing slurry. For additional chemical exposure, overlaps, sealing tapes and sealing sleeves must be bonded with codex SK 100 or codex Epo 2000. codex RX 11 Outdoor can also be used for this purpose in exterior areas.
5. After the thin-bed mortar has cured, the installed waterproofing can be walked on and the tile or natural stone covering can be installed using a suitable codex thin-bed mortar.

IMPORTANT NOTES

- ▶ Store in a cool, dry and upright place, protect from direct sunlight, frost and heat.
- ▶ According to DIN 18534-5, sheet-type waterproofing in combination with tiles and slabs may only be used for W0-I, W2-I and W3-I (walls only). Other applications are special constructions and must be agreed separately.
- ▶ The installation height on wall surfaces is limited to a maximum of 4 m.
- ▶ In order to professionally incorporate fittings below the plaster or floor drains into the sealing layer, they must be with appropriate flanges, clamping rings, or similar.
- ▶ In areas with high water exposure, the overlaps can also be bonded with codex cementitious sealing slurries.
- ▶ The installation of a moisture-inhibiting layer such as codex Hydrostop should be envisaged for spaces with increased humidity and moisture-sensitive substrates such as plasterboard or gypsum fibre boards, stucco plaster and wood substrates.
- ▶ Observe the generally acknowledged rules of the trade and technology for tile and natural stone laying as well as the respective applicable national standards and data sheets (e.g. EN, DIN, VOB, ÖNORM, SIA, Cerunig, etc.).

- The following standards and bulletins apply as well, amongst others, or are recommended for special consideration:

- DIN 18 352 "Tile and slab work"
- DIN 18 157 "Ceramic work in thin bed processes"
- DIN 18 534 "Waterproofing for indoor applications"
- ZDB leaflets:
 - "Composite seals"
 - "Exterior coverings"
 - "Interface coordination"
 - "Coverings on cementitious screed"
- BEB leaflet:
 - "Assessment and preparation of substrates"

SEALS OF QUALITY & ECOLABELS

- EMICODE EC 1 PLUS / Very low emission

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

The product itself does not require any special labour protection measures. Refer to the notes on protection of the workplace and the environment in the Product Information Sheets for the other installation materials used.

DISPOSAL

Sleeves and carton packaging free from residues can be recycled. Material residues can be disposed of with domestic waste.