

wedi *Subliner Dry & Flex* | sealing and isolation mats

- for indoor and outdoor use
- for walls and floors
- waterproof and decoupling



General product description

Flexible, crack-bridging sealing and decoupling web made from highly tear-resistant polyethylene film, which offers optimum connection to tile laying materials thanks to its dual-sided special fleece lamination. For quick sealing measures for fixed-date building sites in combination with ceramic tiles and slabs as well as with natural cast tiles for indoor and outdoor wall and floor areas.

The special web provides improved tension compensation during abrupt temperature changes.

Application areas

wedi Subliner Dry & Flex is a web-type sealant for moderately humid rooms of humidity class 0, A01, A02 and B0 acc. to ZDB data sheet such as e.g.:

- domestic bathrooms
- hotel bathrooms
- balconies and patios

wedi Subliner Dry & Flex is approved by the building inspection authorities for the manufacture of a compound sealant for heavy-duty wet areas in stress classes A1, A2, C such as e.g.:

- shower facilities
- areas around swimming pools
- commercial kitchens and laundries

Only system-tested thin bed mortars must be used for areas requiring building authority approval. These can be found in the general building inspection test certificate.

Product characteristics

- waterproof
- water vapour retarding
- decoupling and tension reducing
- flexible and crack bridging
- high tear resistance
- alkaline resistant
- non-ageing
- non-decomposable
- easy processing
- short installation times
- low structural height
- can be used with hot water underfloor heating
- high adhesive effect in combination with wedi laying materials

Requirements on the subfloor

- All subfloors must be firm, even and have good load-bearing capacities.
- They must be free from dust, dirt, loose components and releasing agents such as oil, grease, wax, varnish and paint coatings.
- Wooden floors must be firm and stable and must not sag. Loose or flexible floor boards must be firmly screwed down. Make sure to observe the permissible equilibrium moisture content of the corresponding type of wood. Old coatings on wooden floor boards must be ground off. Joints and holes must be closed.
- All absorbing, mineral subfloors must be primed. Prime smooth or non-absorbing subfloors, which are not to be removed, with self-etching primer.
- When using on heated screed floors, the current ZDB datasheets regarding floor coverings on heated floor constructions must be observed.

- Concrete and lightweight concrete at least 3 months old.
- The residual humidity must not exceed the following values:

Cement screeds*	3.5 %
Calcium sulphate screeds	0.5 %
Calcium sulphate screeds, heated	0.3 %
Gypsum-bound plaste (Measuring with CM device)	1.0 %

*evenness must be ensured, no laying on bowl-shaped subfloors

Processing

1. Lay out wedi Subliner Dry & Flex and cut to size using a cutter or scissors.
2. Apply wedi thin-bed mortar to the prepared subfloor using a 4 or 6 mm toothed trowel.
3. Insert wedi Subliner Dry & Flex joint to joint with the printed side facing upwards and press on with a rubber roller or wooden board.
4. Remove any escaping mortar and air pockets. Cross joints should be avoided.
5. In the joint area, paste over the individual widths for waterproof gluing with sealing tape using cement-based slurry-type sealing compounds. The sealing tape should be applied on the middle of the joint.
6. Press on the joint area with a trowel or rubber roller.
7. Seal off corner joints and floor connections with wedi sealing tape and cement-based slurry-type sealing compounds.
8. In the area of thin bed drains, the web is cut out in the area of the drain opening. wedi Subliner Dry & Flex web must be tightly sealed in the entire flange area up to the drain opening with the cement-based slurry-type sealing compounds.
9. wedi Subliner Dry & Flex must be separated over existing movement joints, building separation joints and edge connection joints and must be formed in loops at the joint connections using wedi sealing tape.
10. Wall tiles can be applied directly after gluing the web. On floors, the adhesive underneath the web must have hardened, as otherwise unevenness may be caused when the floor is walked on.
11. For tile laying, hydraulically setting thin bed mortar is applied to wedi Subliner Dry & Flex and the tiles are then mainly embedded over the full surface.
For coverings subject to chemical stress, suitable reaction resin adhesives and joint mortars must be used.

Note: For areas requiring a building authority approval, only system-tested thin bed mortars may be used. When laying ceramic coverings in outdoor areas, a full embedding must be carried out in accordance with DIN 18157 T.1. The movement joint arrangement in the ceramic covering depends on the expected sun radiation. The field limitation joints must be arranged at a spacing of 2.00 to 5.00 m. The fields should have a compact side ratio (up to approx. 1:2) if possible.

Technical values

Material base	Dual-sided fleece-laminated polyethylene film
Web colour	Top side: grey sheathed Bottom side: black
Web width	1 m
Web length	15 m
Web thickness	0.87 mm
Weight	365 g/m ²
Processing temperature	+5 °C to +30 °C
Temperature resistance	-30 °C to +90 °C
Waterproof quality	see abP
Equivalent air layer thickness (sd)	approx. 85 m
Fire building material class acc. to DIN 4102-1	B2 – normally flammable

Delivery form

15 m roll (web width 1 m)

Storage

Store in a dry place, storable in original packaging for at least 12 months. Do not permanently store above + 30°C.

Disposal

wedi Subliner Dry & Flex is physiologically harmless. Disposal of the material does not involve any hazardous waste. Cutting residues and compounds of coating and wedi Subliner Dry & Flex can be disposed of as building site waste.

Technical data sheet



Note

The production data sheets of the stated and used wedi additional products must be observed. In case of any doubt, please obtain additional manufacturer's information.