

wedi *Subliner Dry & Flex* | sealing and decoupling sheet

- For indoor and outdoor use
- For walls and floors
- Watertight and decoupling
- Approved sealant for wet areas under high loads



General product description

Flexible, crack-bridging sealing and decoupling mat made from highly tear-resistant polyethylene foil which, thanks to the special layer of fleecing material on both sides, provides optimum anchorage for tile laying materials. This product can be used for fast sealing for projects with fixed completion dates in conjunction with ceramic tiles, slabs, and natural stone wall and floor cladding for interiors and exteriors. The special mat provides improved tension compensation when sudden temperature changes occur.

Areas of application

wedi Subliner Dry & Flex is a mat sealant for wet rooms subject to moderate loads of moisture exposure classes A0 and B0 according to the notice of the Federation of the German Construction Industry, e.g.:

- Domestic bathrooms
- Hotel bathrooms
- Balconies and terraces

With general building inspection test certificate for preparation of composite sealant in wet areas subject to high loads of exposure classes A and C, e.g.:

- Shower systems
- Areas around swimming pools
- Commercial kitchens and laundries

For areas requiring an approval by general building inspection, only system-tested components are to be used. These can be found in the general building inspection test certificate.

Product features

- Watertight and water vapour proof
- Decoupling and stress-reducing
- Flexible and crack-bridging
- High tear strength
- Alkali-resistant
- Resistant to ageing and does not rot
- Easy to process
- Quick installation
- Low structural height
- Suitable for application on hot-water floor heating systems
- High composite adhesion with wedi laying materials
- Resistance to chemicals according to DIN EN 1847
- Suitable for application on hot-water floor heating systems
- Suitable for application under electric floor heating systems

Laying Surface Requirements

- All surfaces must be solid, load-bearing and even.
- Surfaces must be free from dust, dirt, loose components and separating agents such as oil, grease, wax, varnishes and paint.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risqué de toxicité par inhalation, sur une échelle de classe allant A+ (très faibles émissions) à C (fortes émissions).



- Wooden floorboards must be solid and stable and must not deflect. Loose or springing floorboards must be screwed down. The permitted moisture content of the type of wood must be noted. Old paint on wooden floorboards must be sanded off first. Joints and holes must be sealed first. Installation on wood is approved only for indoor areas.
 - Any absorbent, mineral surfaces must be primed. Smooth or non-absorbent surfaces that cannot be removed must also be primed.
 - For use on heated screeds, the applicable notices of the Federation of the German Construction Industry concerning floor coverings on heated floor constructions must be observed.
 - Concrete and lightweight concrete have to be at least 3 months old.
 - The residual moisture content must not exceed the following values:

Cement screeds*:	3.5 %
Calcium sulphate screeds:	0.5 %
Heated calcium sulphate screeds:	0.3 %
Gypsum based plasters:	1.0 %

(measurement with CM instrument)
 - * Evenness must be ensured, no laying on concave surfaces.
 - Mastic asphalt screeds are to be completely sanded and require a minimum hardness according to EN 13813 IC10, IC15.
4. Remove escaping mortar and air pockets. Avoid cross joints.
 5. Cover the individual mats at the joint areas with cement sealants for waterproof adhesion with wedi sealing tape. The sealing tape is to be applied centrally on the joint.
 6. Press on the joint area with a trowel or rubber roller.
 7. Seal corner and floor joints with wedi sealing tape and cement sealant.
 8. In the areas of thin bed floor drains, the mat is cut out around the drain opening. wedi Subliner Dry & Flex mat is to be tightly adhered with cement sealant in the entire flange area up to the drain opening.
 9. wedi Subliner Dry & Flex is to be separated at existing expansion joints, building joints and connecting joints and to be arranged in loops at the joint connections using wedi sealing tape.
 10. Wall tiles can be directly applied after adhesion of the mat. On floors, the adhesive under the mat has to harden as otherwise, unevenness may occur when walking over it (recommended: wedi 320, wedi 360).
 11. For laying of tiles, hydraulic thin-layer mortar is applied on wedi Subliner Dry & Flex for full embedding of the tiles. For coverings subject to chemical loads, appropriate reaction resin adhesives and grouts are to be applied.

Note: For areas requiring an approval by general building inspection, only system-tested components are to be used. If a ceramic floor covering is to be laid in outdoor areas, the entire surface is to be bedded according to DIN 18157 part 1. The expansion joint in the ceramic covering should be aligned according to the expected direction of sunlight. The field definition joints must be arranged at intervals of 2 to 5 m. The fields should have the most compact side ratio possible (up to approx. 1:2).

Processing

1. Lay out wedi Subliner Dry & Flex and cut to size with a cutter or scissors.
2. Apply thin-layer mortar (recommended: wedi 320) on the prepared underground with a 4 or 6-mm grooved trowel.
3. Apply wedi Subliner Dry & Flex with the printed side upwards joint to joint and press it on with a rubber roller or wooden board.

Technical properties

Material base	polyethylene foil with fleece lining on both sides
Base	Top: grey Bottom: black
Mat width	1 m
Mat length	15 m
Mat thickness	0.87 mm
Weight	365 g/m ²
Processing temperature	+5°C up to +30°C
Temperature resistance	-30°C up to +90°C
Watertightness	see abP general building inspection test certificate
Equivalent air layer thickness (sd)	ca. 85 m
Fire behaviour EN 13501	E
Watertightness according to DIN EN 1928	>= 1.5 bar

Chemical resistance against

hydrochloric acid 3 %
sulphuric acid 35 %
citric acid 100 g/l
lactic acid 5 %
salt water 20 g/l (sea water salt)
alkali 3 % according abP general building inspection test certificate requirements

Delivery form

15 metre roll (sheet width 1 metre)

Storage

Store dry. Do not store for longer periods at temperatures over 30 °C. Protect from sunlight.

Safety note

The product data sheets of specified and applied wedi accessory products are to be observed.
In case of doubt, additional manufacturer information is to be obtained.

Information about finishing and application options for wedi products, technical recommendations or advice and other information provided by our employees (technical usage advice) is accurate to the best of our knowledge, but is non-binding and is given with the exclusion of any liability. It does not exempt our customers and their buyers from carrying out their own checks and trials on the suitability of the products for the intended processes and purposes.