

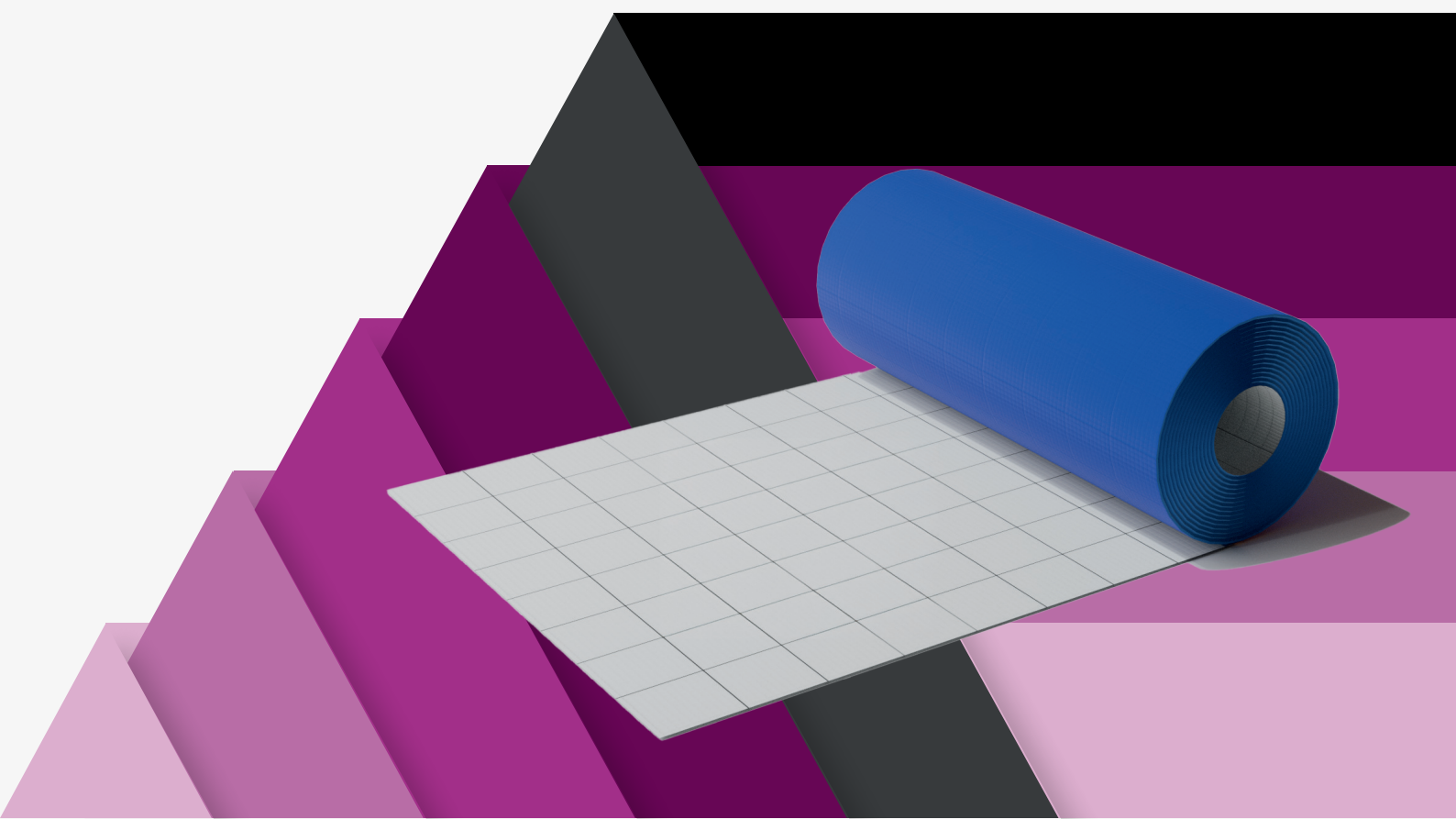


STRUCTAMAT

Quantum

STRUCTAMAT WP MOVEMENT MATTING

TECHNICAL DATASHEET



STRUCTAMAT WP MOVEMENT MATTING

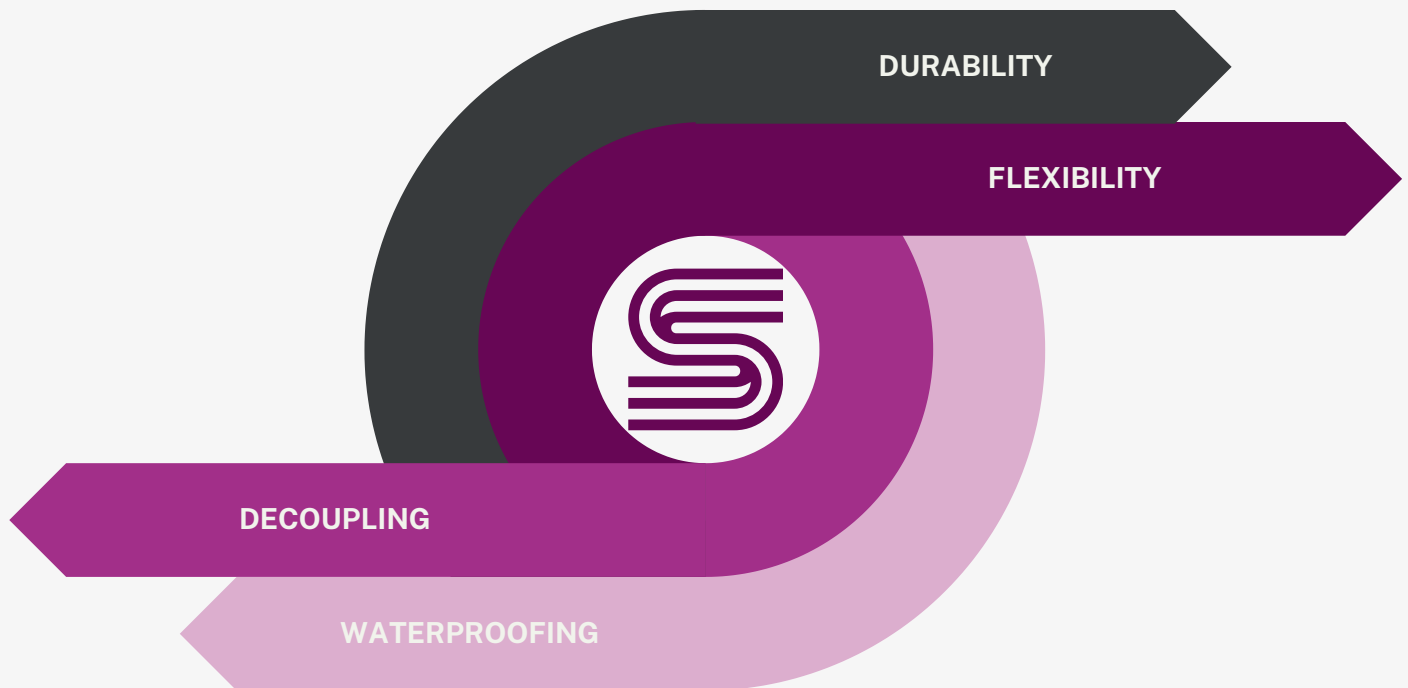


ADVANTAGES

An innovative waterproofing matting, designed for wall and floor tile substrates.

Reliable decoupling	Reduces stress transmission from the substrate to the tile covering.
Ultra-thin design	With a thickness of only 0.48mm, the mat is perfect for low-profile installations and renovations.
Waterproof protection	Waterproof design ensures effective sealing of wet areas.
Environmentally friendly	Low emissions, meets high eco standards (Minergie-ECO, NaWoh, ecoBKP).
Versatile compatibility	Bonds well with cementitious mortars and various waterproofing materials.
Flexible and easy to cut	Can be easily cut with a knife or scissors, ensuring smooth installation across various surfaces.
Resistant to alkaline	Provides protection against alkaline exposure, ensuring long-term performance.
Highly Durable	Tear-resistant, vapor-retardant, and aging-resistant.

FEATURES



INSTALLATION

- Ensure the surface is clean, solid, and level. Remove grease, oil, or contaminants. Fill voids or uneven areas with mineral-based levelling compounds. Apply appropriate primer for the substrate.
- Cut the required length of Structamat Pro with a knife or scissors.
- Apply flexible thin-bed mortar (4mm notched trowel) to the prepared surface.
- Embed the membrane into the fresh mortar and press it evenly with a smoothing trowel. Overlapping joints must be at least 5 cm or sealed with sealing tape.
- Allow the adhesive to cure before proceeding with tile installation.
- Apply a Sealing Tape over joints, pipe penetrations, and floor-wall transitions. Then, secure with a Sealing Slurry for a watertight bond.
- Allow the mortar to cure before applying the final ceramic tile covering.
- Shelf Life: 24 months if stored in original packaging.
- Safety: Structamat WP is not classified as hazardous and can be disposed of as general construction waste.

APPLICATIONS

The StructaMat WP Sealing and Decoupling Membrane is an advanced waterproofing solution for use in balconies, terraces, loggias, and arcades, ensuring protection against moisture and stress-induced cracking. It is compliant with DIN 18531 for outdoor areas and DIN 18534 for wet rooms (water exposure categories W0-I to W2-I). The membrane is ideal for heated and unheated screeds, concrete, masonry, aerated concrete, plaster, gypsum boards, and chipboards. Its vapor-retardant and decoupling properties allow it to protect tile coverings from damage due to structural movement. With certifications from EMICODE EC1 Plus, DGNB, and LEED, it is an environmentally responsible choice for construction projects.

TECHNICAL VALUES

Working Temperature	+5°C and above
Thickness	0.48mm
Width	1m
Length	30m
Barrier Film Material	Polyethylene
Equivalent Air Layer Thickness (sd)	90m
Consumption	1.05m ² per m ²
VOC Emissions	A+
EMICODE Classification	EC1 Plus (very low emissions)
Storage	24 months in a cool, dry place.

Important Note: The technical data provided reflects average values based on our current knowledge and experience. However, it is the responsibility of each user to conduct tests on their specific substrates to ensure that our products are suitable for the intended application, considering all relevant factors. If you have any further questions or need clarification, please feel free to contact us. In case of uncertainty, we recommend seeking additional guidance.