

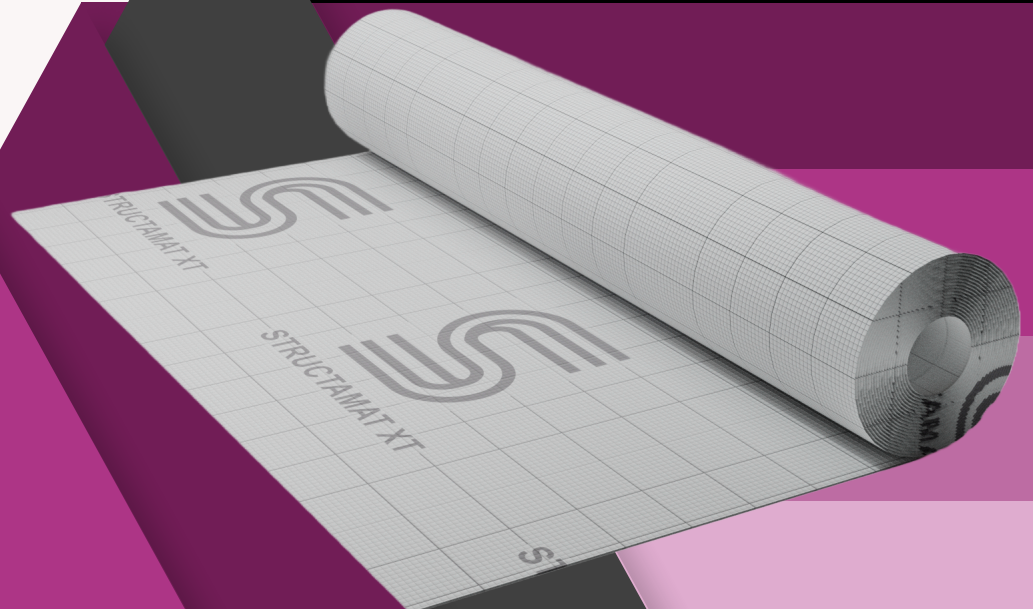


Quantum

STRUCTAMAT

STRUCTAMAT XT MOVEMENT MATTING

TECHNICAL DATASHEET



STRUCTAMAT XT MOVEMENT MATTING



Dual-sided fleece-coated decoupling sheet for use under ceramic and natural stone coverings.

Provides superior decoupling and tension relief to prevent the transfer of shear and tensile stresses to the tile layer.

Easy to cut and install with simple tools like a knife or scissors..

Ultra-thin profile of 0.7mm, ideal for projects requiring low construction height, such as renovations.

Ensures long-lasting protection by accommodating substrate movement, preventing cracks in the top tile layer.

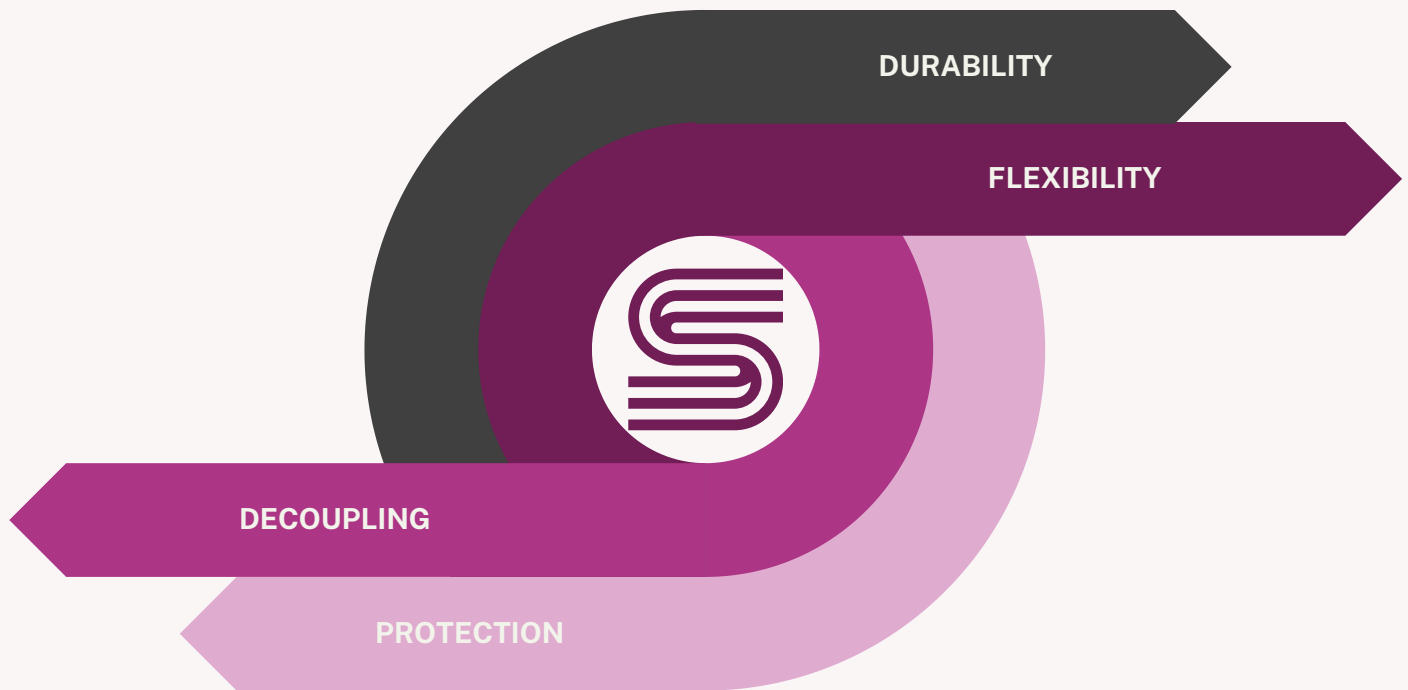
Perfect for indoor and outdoor installations on solid, cracked substrates.

ADVANTAGES

An innovative crack bridging, decoupling membrane that will provide brilliant protection from problem substrates.

Dual-sided heat bonded fleece	Structamat features heat-bonded fleece on both sides, preventing separation and ensuring a strong, durable bond compared to mats that are only glued.
Ultra-thin design	With a thickness of only 0.7mm, the mat is perfect for low-profile installations and renovations.
Prevents stress transfer	Effectively mitigates the effects of substrate movement, preventing cracks in the tile layer.
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.
Outdoor Applications	Can be protected with flexible sealing slurries for outdoor installations.

FEATURES



INSTALLATION

- Ensure the substrate is clean, stable, and largely flat. Level out any unevenness with a suitable filler.
- Cut the required length of Structamat XT with a knife or scissors.
- Apply flexible thin-bed mortar (4mm notched trowel) to the prepared surface.
- Lay the Structamat XT into the fresh mortar, pressing firmly to ensure adhesion. Maintain an overlap of at least 8 cm between sheets.
- Allow the adhesive to cure before proceeding with tile installation.
- Storage: Store in a cool, dry place, away from direct sunlight. Do not store above +30°C.
- Shelf Life: 24 months if stored in original packaging.
- Safety: Structamat XT is not classified as hazardous and can be disposed of as general construction waste.

APPLICATIONS

Structamat XT is suitable for both indoor and outdoor applications. It can be installed over stable, cracked substrates such as concrete, lightweight concrete, rigid foam panels, and solid mineral surfaces. For outdoor use, it must be applied with a flexible sealing slurry for enhanced protection. Mixed substrates and uneven surfaces should be prepared with the appropriate primer to ensure optimal bonding.

For installations involving underfloor heating, stronger adhesives with enhanced adhesion may be required.

We recommend conducting your own tests to confirm the suitability of materials before proceeding with installation.

*Please note that we cannot be held responsible for any damage resulting from the use of incompatible adhesives.

TECHNICAL VALUES

Working Temperature	+5°C and above
Thickness	0.7mm
Width	1m
Length	30m
Total Weight	200g/m ²
Tensile Strength (Lateral)	407 N/5 cm
Tensile Strength (Lengthwise)	503 N/5 cm
Elongation (Lateral)	33%
Elongation (Lengthwise)	40%
Standards	DIN EN 12311-2A (for tensile strength and elongation)
Residual Moisture Content Limits	Cement screed: 2 % Anhydrite screed: 0.5 % Anhydrite screed, heated: 0.5 %

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.