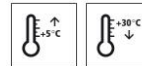


Technical Data Sheet

Sto S&P ARMO-mesh L 500

Carbon fibre mesh, mineral reinforcement



Characteristics

- Area of application**
- for reinforcing concrete structures (concrete and reinforced concrete)
 - for the strengthening of structures as part of the Sto S&P ARMO System

- Properties**
- unidirectional textile mesh
 - carbon fibres are woven longitudinally and glass fibres transversely to the roll
 - system components of the Sto S&P ARMO-System
 - high tensile strength
 - follows the geometry of the building element
 - corrosion-resistant

- Format**
- width: 1.95 m

- Information/notes**
- Special approval is required.
 - The mesh surface is polymer modified and coated with a chemically reactive component.

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Elongation at break	EN 2561	1,5 %	Fibre direction
Static modulus of elasticity	EN 2561	240 kN/mm ²	Fibre direction

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

- Requirements**
- Requirements on the substrate:
 The mesh is embedded in the
 StoCrete TS 100 or StoCrete TS 203 system mortars.
 The substrate requirements depend on the requirements of the system mortar.

- Preparations**
- Embed the mesh into the decanted system mortar wet in wet. Good work preparation is particularly important for the success of the measure. Details are stored in the implementation instructions for the ARMO system.
 The implementation instructions are available from the StoCretec Technical Information Centre.

Technical Data Sheet

Sto S&P ARMO-mesh L 500

Application

Application temperature Lowest application temperature: +5 °C
Highest application temperature: +30 °C

Material preparation The mesh is cut from the roll in the required length with an industrial scissors. Please ensure that the mesh is not soiled by any dust from the premises or by letting it fall and keep it stored in a dry place until immediately before installation.&P

Consumption	Type	Approx. consumption	
		1,0	m ² /m ²
Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.			

Coating build-up 1. Decant the system mortar with at least 6 mm
2. Insert or place and fix the mesh
3. Embed the mesh with 20 mm system mortar wet in wet

Application

Please observe the Technical Data Sheets for the StoCrete TS 100 and StoCrete TS 203 system mortars, and the procedure instructions for the ARMO system.

Note:

Avoid damage of any kind to ensure the proper functioning of the Sto S&P ARMO-mesh!

Please heed the fitting direction of the carbon fibres.

Please make enquiries at the manufacturer for fire protection measures.

Notes, recommendations, special information, miscellaneous

Product for reinforcing load-bearing structures. Using the Sto S&P ARMO-System is described in separate instructions for implementation.

During the mass calculation, please observe overlapping areas that are required according to the measurement.

We recommend reducing the material characteristics listed below for dimensioning.

If you have any questions regarding dimensions, please contact S&P Clever Reinforcement GmbH, tel. +49 (0)6032/8680-160.

Technical Data Sheet

Sto S&P ARMO-mesh L 500

General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

Delivery

Article number	Name	Container
09396-002	Sto S&P Armo-mesh L 500	97.5 m ² roll

Storage

Storage conditions	Store in dry and frost-free conditions.
Storage life	In the original container until ... (see packaging).

Identification

Product group	Carbon fibre compound material
---------------	--------------------------------

Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use. Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
Fax: +49 6192 401-105
stocretec@sto.com
www.stocretec.de