

# S&P ARMO-grid SR

Shrinkage crack reinforcement made from glass fibres



A Simpson Strong-Tie® Company

The information in this technical data sheet is valid for the S&P range of products, systems and solutions.  
Please note that the information in your country may vary. Visit [sp-reinforcement.eu](http://sp-reinforcement.eu) to find your local branch.

## DESCRIPTION

S&P ARMO-grid SR is made from glass fibres and can be used to prevent shrinkage cracks in S&P ARMO-crete® systems.

### WHERE TO USE

- Universal application possibilities in buildings, underground structures, tunnels and canal constructions
- Improvement of serviceability

### PERFORMANCE FEATURES

- Prevents shrinkage cracks
- Flexible application
- Simple to use
- Non-corrosive
- SBR coated
- Lightweight

GENERAL FEATURES

## PRODUCT DATA

### Generic description

S&P ARMO-grid SR

### Appearance

Blue mesh, SBR-coated

### Dimensions

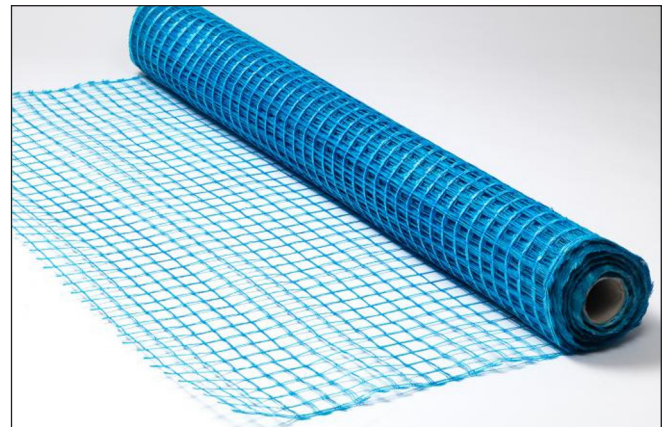
Roll width: 1.0 m | Roll length: 50 m

### Mesh opening

40 x 40 mm ( $\pm 0.5$ )

### Storage

In original packaging and in a cool, dry and covered area without direct sunlight.



### PREPARATION

Depending on the mortar application (wet lay-up or dry lay-up), the S&P ARMO-grid SR is either embedded, wet-in-wet, in the mortar or, fixed onto the first shotcrete mortar layer using special Inox staples.

In both varieties, the reinforcement must be covered in accordance with the specific requirements and regulations.

For more details, please refer to the application manual of the respective mortar.

### MECHANICAL PROPERTIES

Mechanical Properties	Unit	Value
Mesh size	mm	40 (± 0.5)
Tensile strength (ultimate, longitudinal)	kN/m	44
Tensile strength (ultimate, transversal)	kN/m	52
Basis weight	g/m <sup>2</sup>	Approx. 140
Elastic modulus*	kN/mm <sup>2</sup>	≥ 76
Elongation at rupture*	%	≤ 4
Density*	g/cm <sup>3</sup>	≥ 2.6

\*Typical properties of the raw fibre

### HEALTH & SAFETY

S&P ARMO-grid SR contains glass fibres. During its handling precautions must be taken including the use of protective clothing and gloves, thus avoiding contact with skin. Safety data sheets are available upon request. Further information is available on the material safety data sheet and the product packaging. Safety data sheets can be obtained by contacting our customer support services +41 41 825 00 70 or emailing [info@sp-reinforcement.eu](mailto:info@sp-reinforcement.eu).

S&P's range of products are for industrial use. They must be installed by specialised personnel and competent professionals with adequate training. The installation instructions must be followed and can be found in S&P application manuals and several "Guideline" documents / existing technical notes.

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The information and data in this technical data sheet serve to ensure the normal intended use and normal application suitability; the information and data are based on our knowledge and experience. They do not absolve the user from their own responsibility to check the suitability and application method.

The rights to make changes to product specifications are reserved. Furthermore, our general sales and delivery terms apply. The current, most recent product data sheet is valid, and should be requested from us.

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