BUILDING TRUST

PRODUCT DATA SHEET

SikaWrap®-6 Helical

High-performance stainless steel helical bars for masonry structural strengthening

DESCRIPTION

SikaWrap®-6 Helical are high-performance stainless steel helical bars with a 6 mm diameter, for the strengthening of masonry structures. The SikaWrap®-6 Helical bars can be used for masonry reinforcement as part of the Sika® NSM system, combined with a mortar.

USES

- Component for masonry structural strengthening
- Reinforced stitching of masonry structures
- Applicable to domes and arches
- Stitching of horizontal and vertical masonry structures
- Repair of localized damage

FEATURES

- High durability
- High mechanical strength
- Manufactured by AISI 304 stainless steel
- Easy and quick application

CERTIFICATES AND TEST REPORTS

- CE marking and Declaration of Performance in accordance with EN 845-1:2013 + A1:2016

PRODUCT INFORMATION

Construction	Helical bars of AISI 304 stainless steel
Packaging	10 m roll
Colour	Silver grey
Shelf life	Unlimited, if stored properly
Storage conditions	Store covered in the original packaging in dry conditions
Dimensions	39-41 turns per meter
Diameter	6 ± 0.5 mm

TECHNICAL INFORMATION

Tensile strength (EN 10270-3)

Properties	Char. Value
Maximum Tensile Strength	~ 990 MPa
Yield Tensile Strength	~ 915 MPa

Elongation at break (EN 10270-3)

Properties	Char. Value
Elongation at break	~ 4.1 %

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

Cut a groove along an existing joint in the masonry surface using an appropriate saw. In the case of stitching cut the groove perpendicular to the crack. Make sure to clean the groove with compressed air until the groove is free of dust. The surface and groove area must be clean and sound. Apply a mortar of the SikaMur® or SikaRep® or other mortar of the Sika range inside the groove using a pointing gun with a special flattened nozzle and embed the SikaWrap®-6 Helical. Seal the groove by applying an additional mortar layer using a joint trowel. For more information on mortar options, please contact the technical department of Sika HELLAS S.A.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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