



PRODUCT DATA SHEET

Sika® CarboDur®-300 Grid

Bi-directional Carbon Fibre grid for Textile Reinforced Mortars

PRODUCT DESCRIPTION

Sika® CarboDur®-300 Grid is a carbon fibre, bi-directional grid. It is part of the Sika® CarboDur® Grid system.

WHERE TO USE

Sika® CarboDur®-300 Grid may only be used by experienced professionals.

Embedded as reinforcement into SikaCem®-226 CI and used for:

- Reinforcing concrete structures
- Reinforcing masonry walls made of brick, blocks or stone
- Reinforcing infill masonry walls
- Connecting masonry walls to other walls or to reinforced concrete structures
- Repair of cracked masonry walls
- Interior or exterior use

PRODUCT INFORMATION

Construction	Fibre orientation	0° / 90°
	Black fibre grid with patented coating 13 filaments. Grid spacing: 10 cm x 10 cm (centre to centre) in both directions	
Packaging	Roll width	1.0 m (40 in)
	Roll length	50 m (164 ft)
Fibre Type	Carbon fibre	
Shelf Life	24 months from date of production	

CHARACTERISTICS / ADVANTAGES

- High tensile resistance in both directions
- Economical
- Corrosion resistant
- Easy to handle and embed into mortar

APPROVALS / CERTIFICATES

- Avis Technique CSTB, No. 3.3/18-965_V1 (issued for Lankostructure Carbogrid)

Storage Conditions

The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +10 °C and +30 °C (50 °F and 86 °F). Always refer to packaging

Dry Fibre Modulus of Elasticity in Tension ~230 GPa (33.3 msi)

Dry Fibre Elongation at Break ~1,9 % (EN ISO 13934-1)

Area Density 320 g/m² embedded grid

Dry Fibre Density 1,8 kg/l

TECHNICAL INFORMATION

Tensile Resistance > 9500 N/5 cm (grid) (EN ISO 13934-1)

SYSTEMS

System Structure

- Sika® CarboDur®-300 Grid
- SikaCem®-226 CI (for reinforcement of concrete and masonry structures)

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

FURTHER INFORMATION

- Sika Method Statement: Sika® CarboDur® Grid System
- SikaCem®-226 CI Product Data Sheet.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS**SUBSTRATE QUALITY**

Refer to the Sika Method Statement: Sika® CarboDur® Grid System and SikaCem®-226 CI Product Data Sheet

SUBSTRATE PREPARATION

Refer to the Sika Method Statement: Sika® CarboDur® Grid System and SikaCem®-226 CI Product Data Sheet

APPLICATION METHOD / TOOLS

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Refer to the Sika Method Statement: Sika® CarboDur® Grid System and SikaCem®-226 CI Product Data Sheet.

1. Apply the first layer of SikaCem®-226 CI to the prepared substrate.
2. Embed Sika® CarboDur®-300 Grid into the 1st wet layer of mortar.
3. While the first layer is still wet, apply a 2nd layer of mortar to completely cover the Sika® CarboDur®-300 Grid.
4. Finish the surface of the 2nd layer of mortar according to project requirements using stainless steel or plastic float.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

SikaCarboDur-300Grid-en-CA-(03-2024)-1-1.pdf

Product Data Sheet

Sika® CarboDur®-300 Grid
March 2024, Version 01.01
020206020010000071

