

HTC 50/50-40

Carbon Grid Reinforcement

Coarse Grid | Lightweight | Service temperature up to 40 °C | Corrosion-free

Overview

Bidirectional carbon fiber grid made of 48K rovings (wrapped). Designed for TRC applications requiring wide grid spacing and efficient reinforcement in thin concrete sections. Suitable for façade systems, precast components, lightweight structural elements, and repair systems operating up to 40 °C.



Technical Data

Property	Value	Unit	Test method
Material (lengthwise)	Carbon 48K-wrapped	-	-
Material (crosswise)	Carbon 48K-wrapped	-	-
Density of carbon fiber	1.78	g/cm ³	-
Binding thread	PES 167 dates	-	-
Weight (uncoated / coated) approx.	130 / 155	g/m ²	-
Threads per meter (L / C)	20 / 20	threads/m	-
Cross-sectional area (L / C)	36 / 36	mm ² /m	-
Grid opening	49 × 49	mm	-
Tensile strength (L / C)	97 / 106	kN/m	DIN EN ISO 3341
Tensile strength (fiber) (L / C)	2710 / 2952	N/mm ²	DIN EN ISO 3341
Strain at break (L / C)	1.40 / 1.31	%	DIN EN ISO 3341
Impregnation / Coating	Acrylate	-	-
Max. service temperature	40	°C	-
Roll width	300	cm	-
Roll length	Custom	-	-

DISCLAIMER: Technical data is based on current product specifications. Users are responsible for verifying suitability for the intended application. Product specifications may change without notice. Current Terms and Conditions apply.