HITEXBAU GmbH

Innovative Carbon Grid Reinforcement

HTC 34/34-80

Carbon Grid Reinforcement

Medium Grid | Service temperature up to 80 °C | Corrosion-free

Overview

Bidirectional carbon fiber grid made of 48K rovings (knitted).
Designed for TRC applications requiring structural crack control and medium reinforcement capacity with elevated temperature resistance up to 80 °C.
Suitable for structural strengthening, bridge components, façade systems, precast elements, and infrastructure applications.

Technical Data

Property	Value	Unit	Test method
Material (lengthwise)	Carbon 48K –knitted	-	-
Material (crosswise)	48K	-	-
Density of carbon fiber	1.78	g/cm³	-
Binding thread	PES 167 dtex	-	-
Weight (uncoated / coated) approx.	175 / 215	g/m²	-
Threads per meter (L / C)	26 / 26	threads/m	-
Cross-sectional area (L / C)	48 / 48	mm²/m	-
Grid opening	34 × 34	mm	
Tensile strength (L / C)	141 / 144	kN/m	DIN EN ISO 3341
Tensile strength (fiber) (L / C)	2950 / 3010	N/mm²	DIN EN ISO 3341
Strain at break (L / C)	1.40 / 1.34	%	DIN EN ISO 3341
Impregnation / Coating	Acrylate	-	-
Max. service temperature	80	°C	-
Roll width	300	cm	-
Roll length	Custom	-	-