

## HTC 20/50-80

Carbon Grid Reinforcement

High-strength | Coarse grid | Service temperature up to 80 °C | Corrosion-free

### Overview

Bidirectional carbon fiber grid made of 48K rovings (lengthwise) and 24K rovings (crosswise).

Designed for textile-reinforced concrete (TRC) applications requiring high tensile capacity, efficient crack control, and structural performance in thin concrete sections.



### Technical Data

Property	Value	Unit	Test method
Material (lengthwise)	Carbon 48K - wrapped	-	-
Material (crosswise)	Carbon 24K	-	-
Density of carbon fiber	1.78	g/cm <sup>3</sup>	-
Binding thread	PES 167 dtex	-	-
Weight (uncoated / coated) approx.	195 / 265	g/m <sup>2</sup>	-
Threads per meter (L / C)	48 / 20	threads/m	-
Cross-sectional area (L / C)	87.0 / 18.1	mm <sup>2</sup> /m	-
Grid opening	50 × 20	mm	-
Tensile strength (L / C)	282 / 50	kN/m	DIN EN ISO 3341
Tensile strength (fiber) (L / C)	3250 / 2770	N/mm <sup>2</sup>	DIN EN ISO 3341
Strain at break (L / C)	2.3 / 1.9	%	DIN EN ISO 3341
Impregnation / Coating	Stiff coating	-	-
Max. service temperature	80	°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.