

## HTC 25/25-80 UWX

Carbon Grid Reinforcement

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

### Overview

Bidirectional carbon fiber grid made of 48K rovings in both directions.

Designed for textile-reinforced concrete (TRC) applications requiring high tensile capacity, structural crack control.

Suitable for structural strengthening, bridge components, infrastructure applications, precast, and thin concrete sections.



### Technical Data

Property	Value	Unit	Test method
Material (lengthwise)	Carbon 48K -wrapped	-	-
Material (crosswise)	48K - PP wrapped	-	-
Density of carbon fiber	1.78	g/cm <sup>3</sup>	-
Binding thread	PES 167 dtex	-	-
Weight (uncoated / coated) approx.	270 / 310	g/m <sup>2</sup>	-
Threads per meter (L / C)	40 / 40	threads/m	-
Cross-sectional area (L / C)	72.8 / 72.8	mm <sup>2</sup> /m	-
Grid opening	23 × 23	mm	-
Tensile strength (L / C)	229 / 194	kN/m	DIN EN ISO 3341
Tensile strength (fiber) (L / C)	3150 / 2670	N/mm <sup>2</sup>	DIN EN ISO 3341
Strain at break (L / C)	2.2 / 1.9	%	DIN EN ISO 3341
Impregnation / Coating	Stiff	-	-
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.