

PRODUCT DATA

ARACOMP TW390

DESCRIPTION

Aracomp TW390 is a unidirectional aramid fibre textile of 330 g/m², cross-stitched in the transverse direction giving a total weight of 470 g/m².

APPLICATIONS

Reinforcement of structures against impact, explosion and for shear and confinement or flexural strengthening.

- Bridge columns
- Walls, floors, ceilings and columns in buildings
- Tunnel walls
- Chimneys, cooling towers and other stacks

ADVANTAGES

- High tensile strength
- Excellent impact resistance and damage tolerance
- Easy to apply on structures with sharp corners such as squared columns
- Not electrically conductive (does not provoke corrosion in contact with metals)
- Excellent chemical resistance
- High durability
- Maintenance free, does not corrode

APPLYING

Apply CarboComp 5800 LPL resin onto the prepared substrate. Press Aracomp TW390 textile into the wet resin and roll with a profiled roller to remove entrapped air. After air has been removed, apply a second saturant layer of 5800 LPL into the aramid textile. The consumption of CarboComp 5800 LPL varies depending on roughness and porosity of the surface (Estimated Consumption: 500-800 g/m²).

TYPICAL DATA (TYPICAL VALUES)

Properties	Technical Characteristics
Weight:	300 g/m ²
Roll Width:	± 200 mm
Roll Length:	110 m
Tensile Strength:	390 kN/m
Elongation at Break:	3%
Operating Temperature:	-40°C to +130°C

The above values are typical and for indicative purposes only. The properties obtained from tensile test are dependent on the impregnating/laminating resin used and the type of tensile testing procedure. Apply material reduction factors according to relevant design standards and local building codes.

NOTES

- Safety Data Sheets for Aracomp TW390 products are available upon request.
- A staff of Technical Service Engineers is available to assist with installation or to answer questions related to Aracomp TW390 products.
- Requests for technical service or literature can be made through local sales representatives and offices or corporate offices located worldwide.

Important:

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