TOOLING REINVENTED

The increased use of composites materials is driving the need for more advanced composite tooling solutions. Part manufacturers are demanding tools with longer life and tighter tolerances while pushing for more efficient production methods. The market demands a trusted technology partner that can provide world-class innovation, manufacturing, and service.

With more than 20 years of pedigree in demanding tooling applications, the TenCate AmberTool® collection of prepregs comprised of the HX, HXR, and TC series, is sold globally by a proven team of tooling experts. Our comprehensive range of prepregs for aerospace applications cure from 50°C (122°F) while delivering Tg properties up to 213°C (415°F). These materials are available on a wide range of reinforcements, allowing our customers to have complete tool design freedom and flexibility.

COMPLETE TOOL DESIGN FREEDOM

TenCate AmberTool® composite tooling prepregs allow high precision for molded and machined tooling applications with a superior degree of accuracy. We support our products globally, offering customers a complete technical support service including tailored training courses.

INDUSTRY-LEADING COMPOSITE TOOLING EXPERIENCE

Master and surface coat application
› Compatible with high-performance epoxy paste and block master patterns
› Specialized sealing and release agent recommendations
› Excellent surface finish generation

Full tooling delivery solutions
› Custom cutting solutions within Europe
› Fast delivery solutions for standard materials
› Wide range of carbon and glass reinforcements with curing temperatures as low as 40°C (104°F) and Tg’s up to 213°C (415°F) (after post cure)
› Surface machinable for final accuracy
› Carbon and glass backing structures

Experienced technical support
› Proven processing procedures and full tooling processing guide available
› Tailored training courses offered
› Specialized tooling knowledge on surface treatments and advanced experience in mold heating applications
› Mold life-cycle maintenance solutions
› New materials research, assuring health and safety compliance

NEW PRODUCTS

TenCate AmberTool® HXR56 is the latest innovation from our heritage range of composite tooling prepregs. The new TenCate AmberTool® HXR series is a multi-axial format, specifically designed for when complexity and speed are required, ultimately reducing overall tooling costs.

Example of HXR lay-up:

For more product information, please refer to our app, our website www.tencate.composites.com/tooling, and our online resource center for processing information, also available in print copy.
LOCATIONS AND CAPABILITIES

SOLUTIONS
- Thermoplastic composites
- Thermoplastic laminates
- Thermoset composites
- Carbon free manufacturing
- Parts manufacture
- Sales office

CERTIFICATIONS
- ISO 9001:2015
- AS9100:2015 Rev.D

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For product information, please refer to our app, our website www.tencatecomposites.com, and our online resource center for case studies and technical papers.

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