



WinSpar for High Performance Wind Blade



We are Indore Composite

Indore, established in 1994, is a global leader in FRP rods and other cable protection solution. With innovative products, consistent quality, and a solution-driven approach, Indore has earned a reputation for reliability. Equipped with four modern plants, including one in Morocco, and a talented team, Indore combines knowledge, technology, and innovation to drive steady growth. Its customer-centric approach and commitment to excellence make Indore a trusted and preferred partner worldwide.



Being an environmentally conscious organization, Indore is focused on sustainability and has discovered applications and usability for 95% of the scrap generated, either within or outside the organization.

Advance Composite Lab

Indore has a fully equipped state-of-the-art advanced composite testing laboratory, located at Ambernath, India, accredited by the **National Accreditation Board for Testing and Calibration Laboratories** requirements.

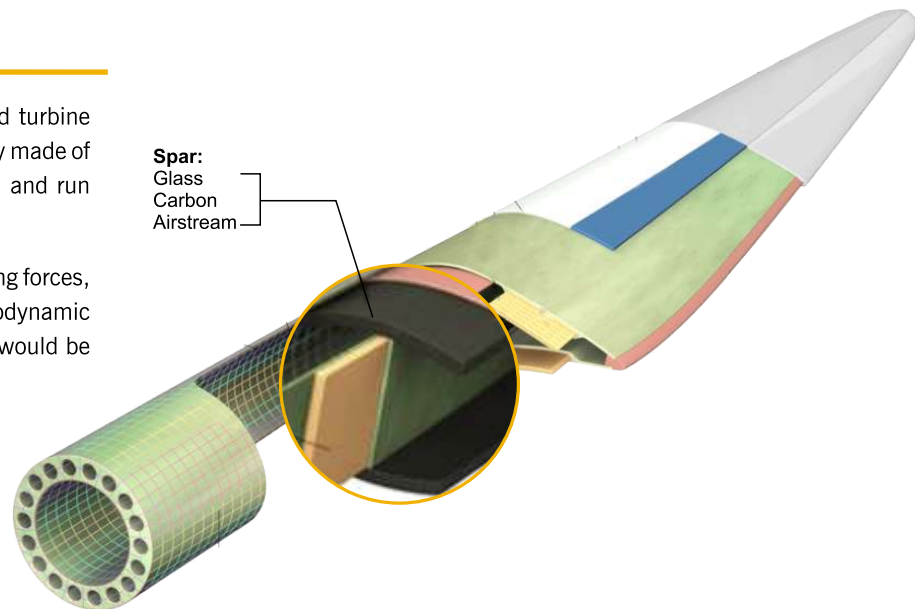


- The facility is managed by a team of highly trained and qualified professionals.
- The lab is capable of providing complete testing on composite products based on international standards.

Introducing Pultruded Plank

Pultruded Plank is a structural component used in wind turbine blades to provide stiffness and strength. They are typically made of composite material, such as glass fibre or carbon fibre, and run along the length of the blade near its leading edge.

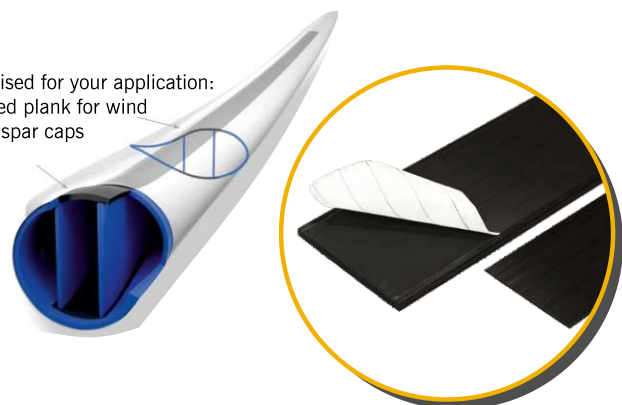
Pultruded Plank provide resistance to bending and twisting forces, which are common in wind turbine blades due to aerodynamic loads they experience. Without the spar cap, the blade would be more flexible and prone to fatigue and failure over time.



Advantages of Pultruded Plank

- High tensile strength
- Reduced fibre undulation or air bubbles.
- Reduced mould occupancy time.
- High strength to weight ratio.
- Reduce overall weight to length and increased blade stiffness.

Customised for your application:
pultruded plank for wind turbine spar caps



Certificates of ICPL



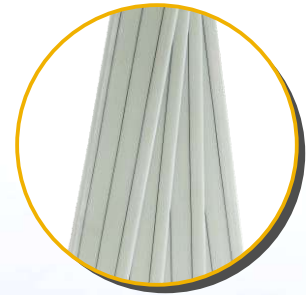
WinSpar-C (Carbon fibre plank)

Made of Carbon Fibre and thermostat resin (CFRP), it is strong, lightweight material that provides excellent stiffness and fatigue resistance. They offer higher performance as they can withstand higher loads and offer great design flexibility, allowing for longer and more efficient wind turbine blades.



WinSpar-G (Glass fibre plank)

Made of Glass Fibre and thermostat resin (GFRP), it is strong, lightweight material with excellent mechanical properties, low cost, and ease of manufacturing. They are commonly used in shorter wind turbine blades or in the inner portion of large wind turbine blades. They are high resistance to corrosion and environmental degradation.



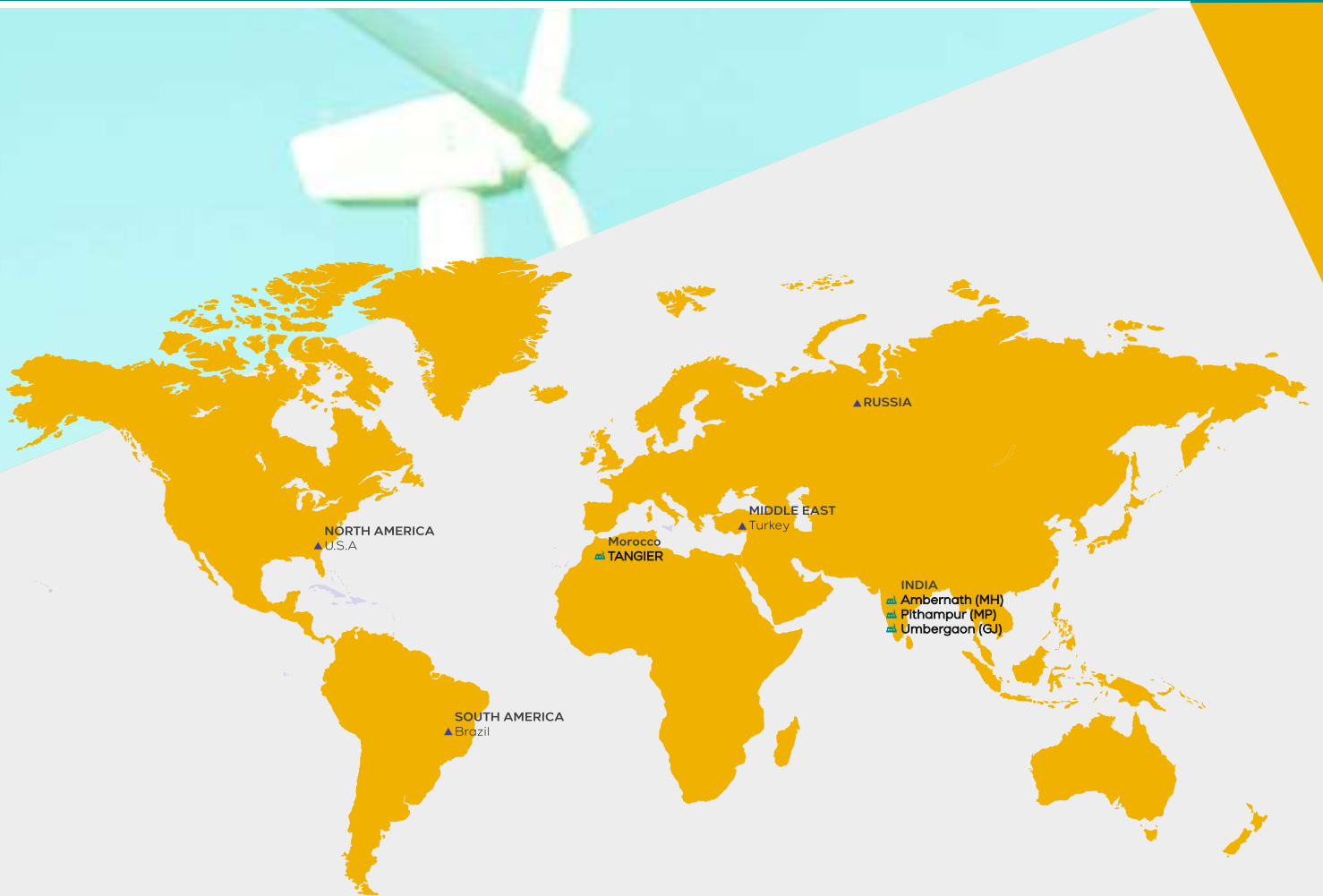
Carbon fibre plank vs Glass fibre plank

Particular	Carbon fibre plank	Glass fibre plank
Strength and Stiffness	★★★★★	★★★
Weight Reduction	★★★★★	★★★
Durability	★★★★★	★★★★
Cost	★★	★★★★★
Manufacturing Ease	★★★★	★★★★★

Capabilities	Our USP
<ul style="list-style-type: none"> Precise process control with PLC & Automation Data Monitoring & Retrieving Controlled atmosphere 100 % resin impregnation, zero dry fibers Higher output Customised Packaging 	<ul style="list-style-type: none"> Fiber Volume Fraction- 60%-71% Thickness tolerance - ± 0.05 mm Width Tolerance - ± 0.5 Straightness - 1.5 mm/m Porosity - < 1 % Min. Coil ID- 700 mm; Max. Coil OD- 2450 mm Plank Width - 60 to 200 mm Plank Thickness- 2 to 8 mm

Indore Composite is ISO 9001 Certified.

Global Reach




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