



**Le**® **LINK**  
COMPOSITES

# COMPANY PROFILE

Since 2008, Link Composites hasn't just supplied composite materials. we've nurtured possibilities. Our company is driven by a steadfast vision to support our clients in achieving results. Our extensive portfolio, industry- leading expertise, and tireless pursuit of innovative solutions have set us apart.

For more than 25 years, we have contributed to the composites industry as an active participant, linking manufacturers across diverse domains to high performance materials.

Now to strengthen our partnership and commitment to composites industries Link Composites Pvt Ltd. (LCPL) has started manufacturing Fiberglass Fabrics and Woven Roving's of high-quality technical textiles for the Composite Reinforcement industry.

Link manufactures in a state-of-the-art facility at Halol, near Baroda in Gujarat. Annual capacity for this new facility will be 6,000 MT per annum and includes high-quality fabrics from E-Glass, ECR-Glass, Carbon Fibre, Kevlar and Aramid.

**Link offers a comprehensive range of fabric, both stitched and woven including:-**

**Multiaxial (Stitched) Fabrics in the following structures:-**

**Unidirectional 0° or 90°**

**Double Bias +/-45**

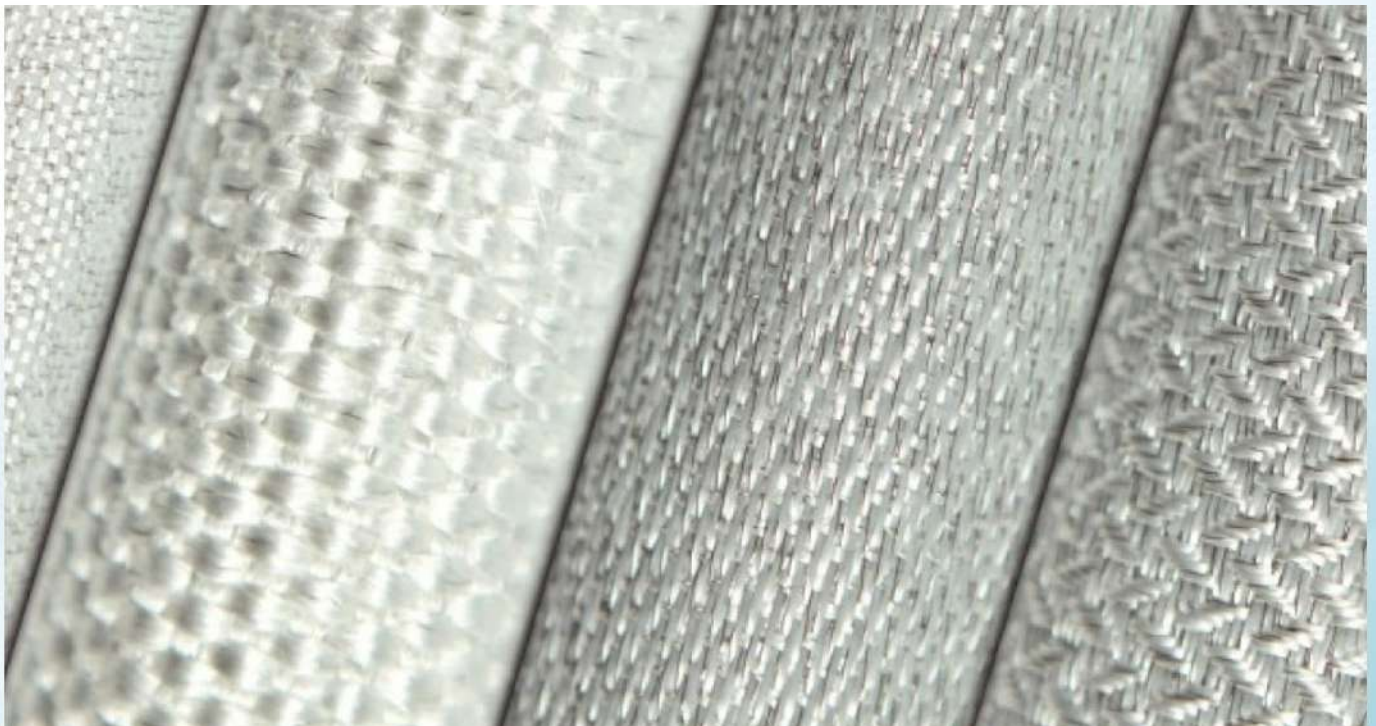
**Biaxial 0° & 90°**

**Triaxial 0° +/-45°**

**Quadriaxial 0° -/+ 45° & 90°**

**Flow-Mat for Infusion**

**Woven Rovings**



# OUR PLANT AT HALOL, GUJARAT

Link's new manufacturing facility is located at Halol, within India's most vibrant and progressive state... Gujarat !!

Link's manufacturing plant at Halol has the most advanced composite knitting technology in India. The MAX Copcentra Warp knitting machines from Karl Mayer, Germany installed at the plant, are the latest in knitting machine technology in the market and uses the revolutionary Walking Needle Technology that ensures optimum quality, consistency and conformity.

Link is situated in the composite hub of India and few hours drive from renowned sectors such as Wind, Pultrusion, Pipes, Tanks, Automotive, etc. The location is well connected with rail, road, water and air transport.



# LINK'S PRODUCT RANGE

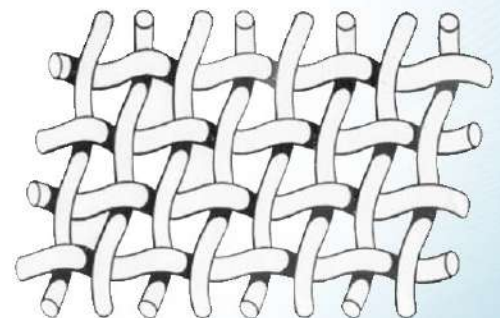
## Key Product Features...

- Cost effective and productivity enhancing solutions for reducing labour in lay-up processes by reducing the number of literal layers
- Excellent draping and contouring properties
- Proven applicability in high performance wind blades, Hull, Bulkheads, Deck and other laminates or profiles.
- Compatibility with Epoxy, VE (vinyl ester) and Polyester Resins with lesser resin consumption.
- Optional added layer of binder- less chopped strand mat increases the mechanical strength further- more aesthetic properties and creating value addition and cost savings.

## FIBREGLASS WOVEN ROVING

Woven roving is a bidirectional fabric made from two or more thread systems interlaced at right angles (warp and weft, typically 0°/ 90°). It is available in a range of basis weights, weave patterns (such as plain and twill), and orientations, and is compatible with proven sizing systems. Woven roving provides high strength along the principal directions, consistent thickness, and rapid resin wet-out. It is ideally suited for structural layers in composite laminates, Particularly where load paths are clearly defined.

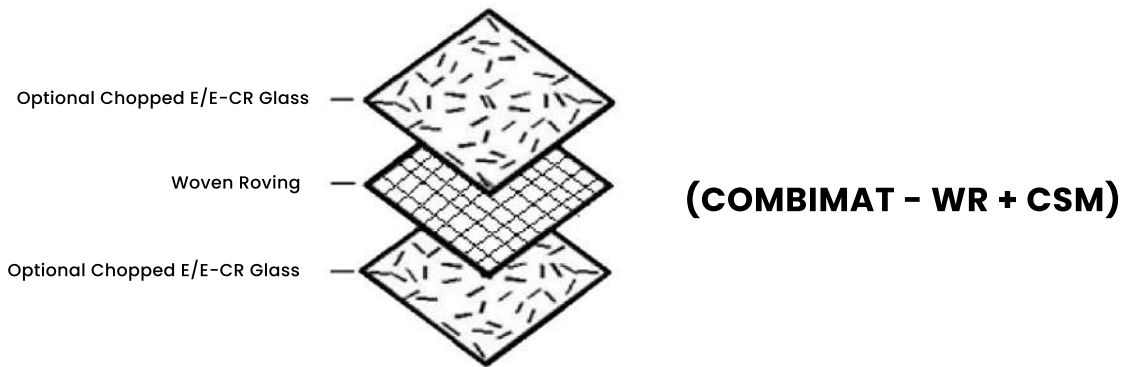
Link manufactures high-quality Woven Glass Roving using state of the art Dornier looms from Germany. Our advanced machinery, combined with extensive industry experience and a robust quality management system, ensures consistently superior weaving quality. We offer Woven Glass Roving in both narrow and wide widths and can supply large rolls lengths with excellent winding precision.



**(WOVEN ROVINGS)**

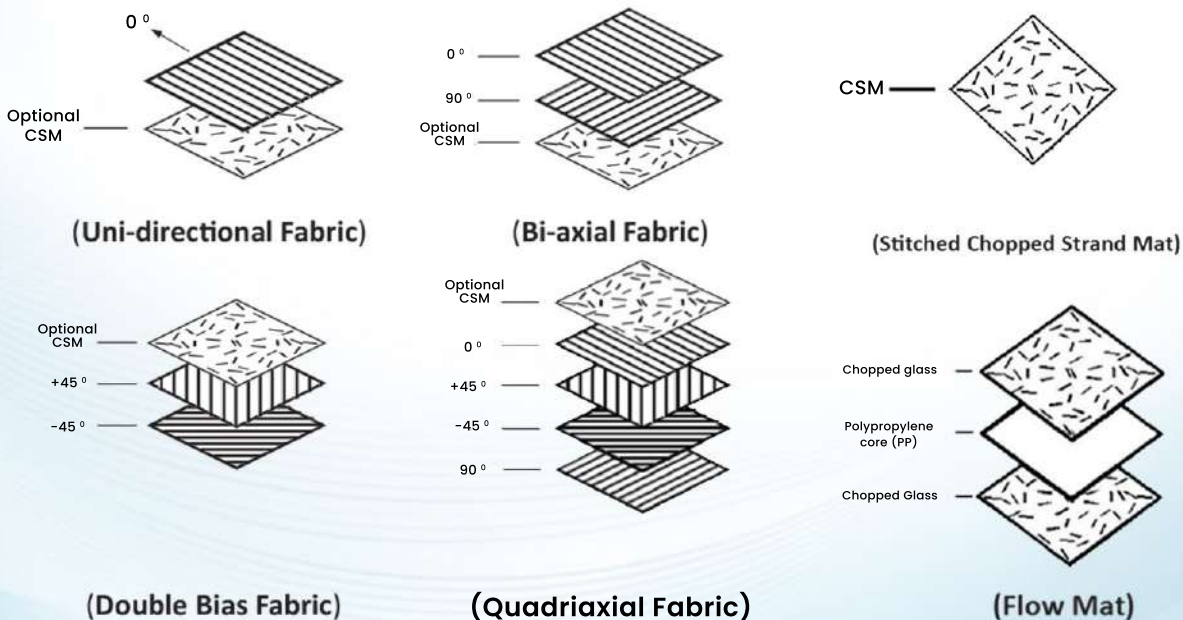
## COMBINATION MAT (WOVEN + CHOPPED STRANDS)

A combination mat also known as a “combo mat” is a hybrid reinforcement material that integrates woven roving and chopped strand mat into a single, stitched fabric. This construction combines the directional strength of woven glass with the excellent resin absorption and conformability of chopped fibres. The result is a balanced solution ideal for complex laminate structures and large moulded surfaces, offering both structural integrity and ease of processing.



## Multiaxial (Non-Crimp) Fabrics

Multiaxial glass fabrics are a type of non-crimp fabric (NCF) made from continuous glass fibers such as E-glass, H-glass, or S-glass. These fibers are laid in multiple orientations typically  $0^\circ$ ,  $+45^\circ$ ,  $-45^\circ$ , and  $90^\circ$  and then stitched together using a lightweight thread, usually polyester. Unlike woven fabrics, where fibers are interlaced and experience crimp (undulation), the fibers in multiaxial fabrics remain straight and uncrimped, resulting in improved mechanical properties, especially higher strength and stiffness along the fiber directions.



# SPECIFICATIONS SUMMARY

PRODUCT DESCRIPTION	INPUT YARN	GSM RANGE		WIDTH RANGE	
		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
UNIDIRECTIONAL (0°) OR (90°)	E/ECR Glass Fiber	400 g/m <sup>2</sup>	3000 g/m <sup>2</sup>	100 mm	2540 mm
BIAXIAL (0°, 90°)	E/ECR Glass Fibre	200 g/m <sup>2</sup>	2400 g/m <sup>2</sup>	100 mm	2540 mm
TRIAXIAL (0°, ±45°) OR (90°, ±45°)	E/ECR Glass Fiber	180 g/m <sup>2</sup>	3000 g/m <sup>2</sup>	100 mm	2540 mm
DOUBLE BIAS (45°)	E/ECR Glass Fiber	200 g/m <sup>2</sup>	3000 g/m <sup>2</sup>	100 mm	2540 mm
QUADRIAXIAL (0°, 90°, ±45°)	E/ECR Glass Fiber	400 g/m <sup>2</sup>	3000 g/m <sup>2</sup>	100 mm	2540 mm
FLOW MAT (CSM + PP CORE + CSM)	E/ECR Glass Fiber	380 g/m <sup>2</sup>	1380 g/m <sup>2</sup>	1000 mm	2540 mm
WOVEN ROVING	E/ECR Glass Fiber	200 g/m <sup>2</sup>	2400 g/m <sup>2</sup>	100 mm	2800 mm

# APPLICATIONS AND USES

## Marine

Light-watercraft, Powerboats, Yachts, Mine-sweepers , Naval Coastguard Vessels, Catamarans, Hull boats & Canoe.

## Wind Turbines

Blades, Nacelle and Blades repairing.

## Sporting

Sailboards, Surfboards, Snowboards, Kayaks & Helmets

## Transport

Automotive, Buses and Rail, Semi-trailers (Dry & Refrigerated) & Tractor covers

## Aircraft & Aerospace

Gliders, Aircraft, Helicopters & USV Drones

## Civil Construction

Building Facades, Structural Decorative Panels, Cooling Towers, Road Surfaces, Bridge Supports, Pre-fab Homes, Mining Safety-nets, Roofing Sheets & Pultrusion products (such as ladders, rails, etc.)

## Oil, Gas & Chemical

Pipes and Fittings, Fuel and Gas Tanks, Chemical Storage Tanks, Reaction Vessels & High Pressure Vessels

## Defense

Armor boxes, Canisters, Radar Domes, Ballistic Vests, Patrol Boats & Helmets

## Electricals

Cable Trays, Electrical Post & Panels



**Head Office:**

**Plot No: 3B+3, Unit No: 6, D-1 Block, MIDC., Opp. ADOR Welding Ltd, Chinchwad, Pune-411019, Maharashtra, India.**

**Factory:**

**Plot No:- 726, Halol-2 Halol Industrial Estate(Maswad),  
Tal:- Halol, Dist:- Panchmahal, Gujarat 389350**