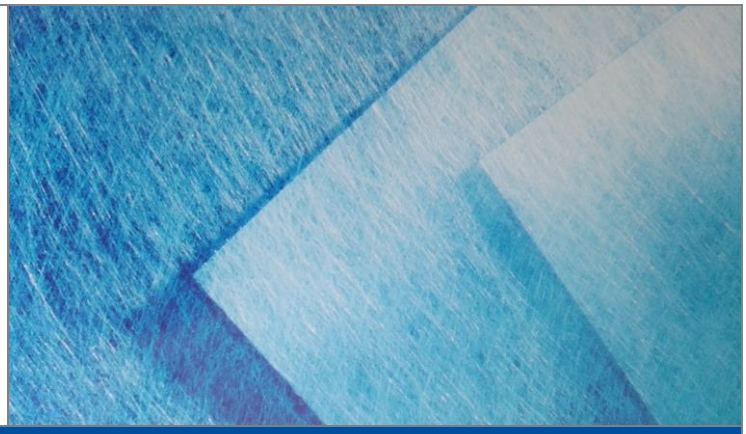
REGINA GLASS FIBRE TISSUE & VEIL

# Technical Data Sheet

## Fibasil Genmat HFP

### Surface Tissue – High Porosity

Suitable for Hand Layup Process



## Technical Data

| Item Code: | GEN25HFP (10mil) | GEN30HFP (12mil) |
|---|---|---|
| Mass (gsm) | 24-26gsm | 27-33 gsm |
| Nominal Thickness | 250 micron (0.25mm) | 300 micron (0.30mm) |
| Resin absorption (theoretical 1.1g/cm³) | 275g/m2 | 330g/m2 |
| Solubility | Soluble in styrene monomer | |
| Binder Type | Acrylic | |
| Binder Content | 6% - 8% | |
| Standard Widths | 200mm, 1000mm, 1270mm to max of 2000mm | |
| | | |

## Characteristics

- Made from five or six layers of continuous, C –glass (ASTM C162-03), **14-16 micron** fibres, randomly dispersed across the sheet.
- The **HFP – High Fibre Porosity** version, ensures rapid air release during moulding.
- Chemical resistance is **Acid Class 1**, (DIN12116), **Alkali Class 2** (Din52322) and **Hydrolytic Class 3** (DIN12111).
- Binder, an acrylic compatible with all types of vinyl-ester, polyester and epoxy resins.
- Any intermediate thickness can be produced between 250 micron and 900 micron.
- Meets the requirements of BS4994, "Design and Construction of Vessels and Tanks in Reinforced Plastics" and ASME/ANSI RPT-1-1989, "Reinforced Thermoset Plastic Corrosion Resistant Equipment".

## Applications

- Designed for the surface protection of FRP/GRP products, where a high quality surface finish is required.
- prevention of "printing through" of the reinforcing mat.
- Will avoid cracking or crazing of the gel coat and can reduce water penetration.
- Used in the inner corrosion barrier to form a resin – rich layer, and also in the exterior layer to provide resin – richness for additional weathering and corrosion protection in aggressive environments.