Novus 49 Graftec is a compressed sheet material which combines a high percentage of graphite, reinforced with aramid fibres and a small amount of rubber binder.

**Service**

Novus 49 Graftec is a high performance material with excellent mechanical properties. It is suitable for many applications including oils, solvents, high pressure steam and gases including oxygen.

**Approvals / Compliance**

WRAS Potable Water: Registration No. IS0510
BAM (Oxygen service) up to 90°C and 160 bar
Complies with BS Specification 7531 Grade X

**Availability**

Thickness range: 0.4mm to 6.0mm
Standard sheet sizes: 2.0m x 2.0m
2.0m x 1.5m
2.0m x 1.0m
1.5m x 1.5m
1.5m x 1.0m
Standard roll sizes: Up to a maximum size of 6.0m x 2.0m
Available with fine mesh mild steel reinforcement: Novus Graftec Metallic or gauze mild steel wire reinforcement: Novus Graftec GWI.
Supplied with anti-stick coating as standard.

**Physical properties**

- **Thickness**: 1.5mm
- **Density**: 1.65g/cc
- **Tensile Strength**: ASTM F152 13MPa
- **Compression**: ASTM F36 11%
- **Recovery**: ASTM F36 55% min
- **Residual Stress**: BS 7531 (300°C) 26MPa
  DIN 52913 31MPa
- **Gas Leakage**: BS 7531 <1.0cc/min
- **ASTM Oil 1**: Thickness increase 1.0%
- **IRM 903 Oil**: Thickness increase 2.5%
- **ASTM Fuel B**: Thickness increase 2.5%

**Novus 49 (Grafter)** Pressure/Temperature Limits

As the company’s products are used for a multiplicity of purposes and as the company has no control over the method of their applications or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and/or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for customers’ assistance only, and without liability on the part of the company.