



Data / Specification Sheet · Novus 48 Acid

Novus 48 Acid is a specially formulated compressed sheet material, based on a blend of fibres with an acid resistant binder system.



Service

Novus 48 Acid is designed to withstand aggressive chemical environments. A chemical grade material suitable for most acids, alkalis, oils, fuels and refrigerants.

Availability

Thickness range: 0.4mm to 3.0mm

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

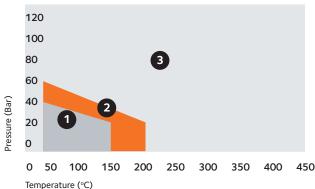
Standard roll sizes:

Up to a maximum size of 6.0m x 2.0m

Physical properties

| Thickness | | 1.5mm |
|-----------------------|--------------------|------------|
| Density | | 1.75g/cc |
| Tensile Strength | ASTM F152 | 11MPa |
| Compression | ASTM F36 | 10% |
| Recovery | ASTM F36 | 50% min |
| Gas Leakage | BS 7531 | <1.0cc/min |
| 95% Sulphuric Acid | Thickness increase | 16.0% |
| 36% Hydrochloric Acid | Thickness increase | 15.0% |
| 50% Nitric Acid | Thickness increase | 7.0% |
| | | |

Novus 48 Acid Pressure/Temperature Limits



Suitable subject to chemical compatibility.

2 Suitable in some cases but check your application requirements with Flexitallic.

3 Contact the Technical Team for applications with higher temperatures and pressures. Applicable to 1.5mm and below.

The operating temperature of non-asbestos sheet material is related to the thickness of materials selected. Thinner materials give better temperature and pressure properties.

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