

Flexitallic®

novus™
a Flexitallic brand

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

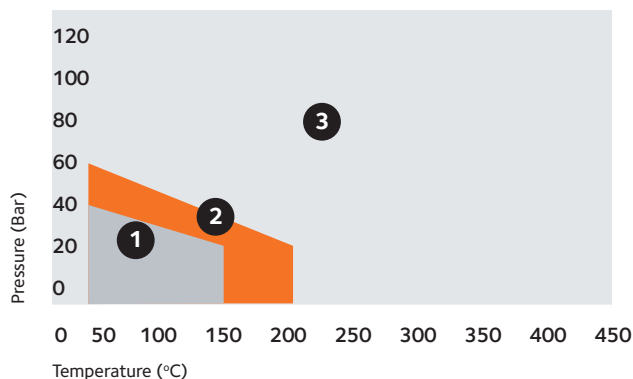
Standard roll sizes:
Up to a maximum size of 6.0m x 2.0m



Physical properties

Thickness		1.5mm
Density		1.75g/cc
Tensile Strength	ASTM F152	11 MPa
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



- 1 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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