

Flexitallic®

novus™
a Flexitallic brand

Data / Specification Sheet • Novus 40

Novus 40 is a good quality compressed sheet material based on a blend of aramid and inorganic fibres with a rubber binder system.

Service

Novus 40 is a general purpose material suitable for use in a wide range of applications, including hot and cold water, steam, oils, fuels, gases and a wide range of general chemicals.

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

Available with fine mesh mild steel reinforcement: Novus 40 Metallic.

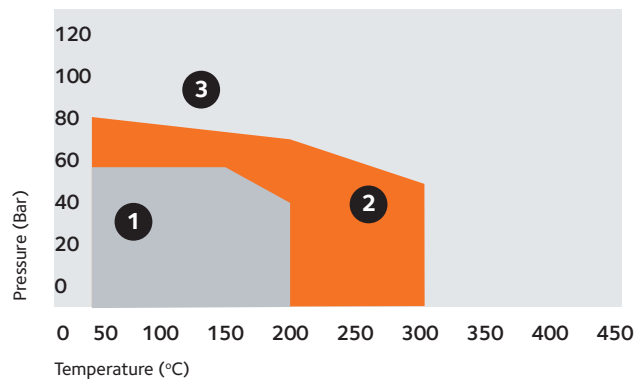
It can also be supplied with anti-stick coating and graphite coating.



Physical properties

Thickness		1.5mm
Density		2.0g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	20MPa
	DIN 52913	29MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	10%
IRM 903 Oil	Thickness increase	20%
ASTM Fuel B	Thickness increase	20%

Novus 40 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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