

# Flexitallic®

**novus™**  
a Flexitallic brand

## Data / Specification Sheet • Novus 46

**Novus 46** is a good quality compressed sheet material based on a blend of aramid and inorganic fibres with a EPDM rubber binder system.



### Service

Novus 46 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

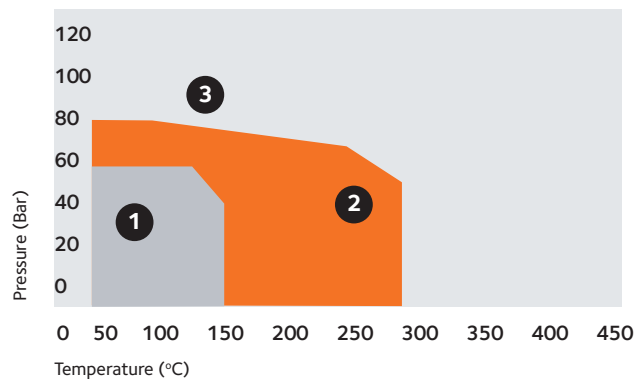
Available with fine mesh mild steel reinforcement: Novus 46 Metallic.

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

### Physical properties

<b>Thickness</b>		1.5mm
<b>Density</b>		1.85g/cc
<b>Tensile Strength</b>	ASTM F152	10MPa
<b>Compression</b>	ASTM F36	9%
<b>Recovery</b>	ASTM F36	50% min
<b>Residual Stress</b>	BS 7531 (300°C)	20MPa
	DIN 52913	25MPa
<b>Gas Leakage</b>	BS 7531	<0.1cc/min
<b>ASTM Oil 1</b>	Thickness increase	10%
<b>IRM 903 Oil</b>	Thickness increase	15-30%
<b>ASTM Fuel B</b>	Thickness increase	15%

### Novus 46 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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