

# Flexitallic®

**novus™**  
a Flexitallic brand

## Data / Specification Sheet • Novus 45

**Novus 45** is a medium quality cost effective compressed sheet material, manufactured from virgin fibres and recycled material, with a nitrile rubber binder system.



### Service

Novus 45 is a general purpose material suitable for use with oils, solvents, gases, water, low pressure steam and most dilute acids and alkalis.

### Approvals / Compliance

TA-LUFT (in accordance with VDI Guideline 2440)

GL Approval 37702 - 12HH

### 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

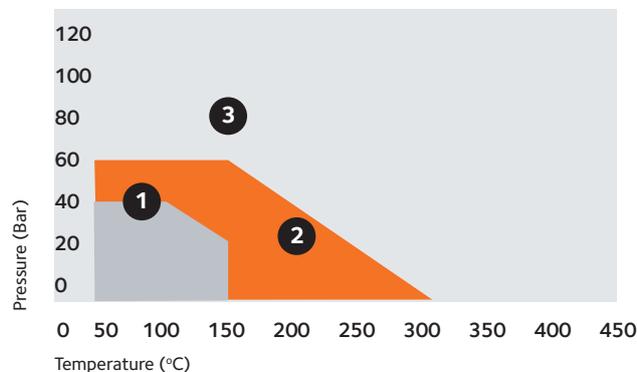
Available with gauze mild steel wire reinforcement: Novus 45 GWI.

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

### Physical properties

<b>Thickness</b>		1.5mm
<b>Density</b>		1.9g/cc
<b>Tensile Strength</b>	ASTM F152	12MPa
<b>Compression</b>	ASTM F36	10%
<b>Recovery</b>	ASTM F36	50% min
<b>Residual Stress</b>	BS 7531 (300°C) DIN 52913	18MPa 23MPa
<b>Gas Leakage</b>	BS 7531	<1.0cc/min
<b>ASTM Oil 1</b>	Thickness increase	2.0%
<b>IRM 903 Oil</b>	Thickness increase	5.0%
<b>ASTM Fuel B</b>	Thickness increase	6.0%

### Novus 45 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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