

Flexitallic

novus[™]
a Flexitallic brand

WILLIAM JOHNSTON
& COMPANY LIMITED

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)

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.

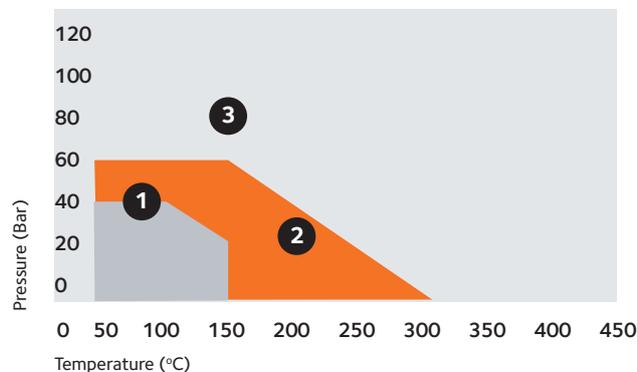
It can also be supplied with anti-stick coating and graphite coating.

Physical properties

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

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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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Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.