

Siliconized paper liner

Closed-cell PVC foam

Pressure-sensitive acrylic adhesive

# 4031 SERIES

## Seal, shock and vibration absorber. Flame retardant grade.

**Norseal**® 4031 is a medium density closed cell PVC foam sealant with “swirl-free” capability.

**Norseal** 4031 was specially created to work with mechanical fasteners. The unique foam resists distortion from drilling, riveting and other fastening operations, making it ideal for metal to metal joints.

To create an adequate seal, the foam must be compressed a minimum of 30% in the final joint (depending on the shape of the gasket as well as the roughness of both surfaces). Once in place, the foam will be able to handle normal joint movement due to thermal expansion or environmental forces.

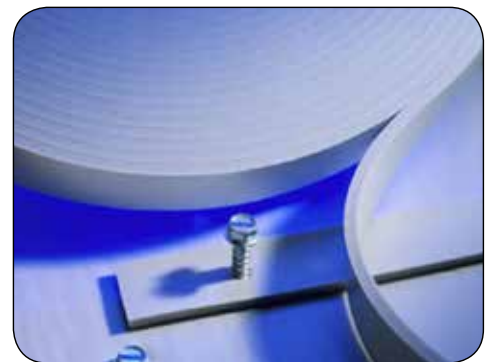
The acrylic adhesive used on the **Norseal** product line is a pressure sensitive adhesive and therefore must be applied to clean, dry surfaces. The adhesive is used to hold the gasket in place before compression.

### Flame Retardant Grade

**Norseal** 4031 is B1 certified (DIN 4102-01, 05/98). Copy of the certificate will be forwarded on demand..

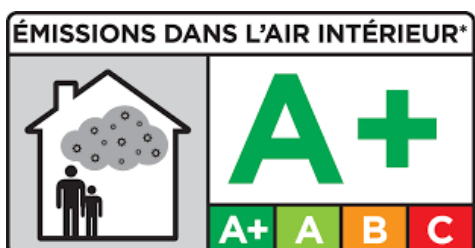
### Also Available

**Norseal** 4030, regular (not flame retardant) grade.



## APPLICATIONS

- Truck cab & body seals
- Truck trailer side walls
- Outdoor lighting fixtures
- Appliance seals
- Metal building seals



## Norseal 4031 Series - Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Thickness (mm) x length (m)	1.5 x 60 - 3.0 x 30 - 4.5 x 20 - 6.0 x 15 - 10.0 x 10
Widths:	6 mm to 1422 mm
Min. useful width:	1360 mm
Colour:	Black or grey
Liner:	Siliconised paper

Other roll lengths, colours & liner (polyester) are also available. Please ask for MOQs

Property	Value	Test Method
Density (kg/m <sup>3</sup> )	135-200	ASTM D-1667
Compression, 30% (N/cm <sup>2</sup> )	2-5	ASTM D-1667
Deflection, 30% (N/cm <sup>2</sup> )	1-3	ASTM D-1667
Compression set @50% (%)	<10	ASTM D-1667
Hardness (shore 00)	30	ASTM D-2240
Tensile (N/cm <sup>2</sup> )	24	DIN 53571
Elongation (%)	105	DIN 53571
Water absorption (%)	<15	NTP*-35
Water-tightness (U-Test - 30%)	Pass	NTP-38
Air-tightness @30%, 2000 Pa	No leak	10PRT128
Service temperature (°C)	-40 to +70	
Application temperature (°C)	-30 to +50	
Flammability	HBF	UL-94
Thermal conductivity (mW/mK) 0kPa	33	ISO 8302
Fungus resistance	0 = inert or fungistatic	ISO 846 A&C

\* NTP = Norton Test Procedure.

## Storage

Material should be stored at room temperature.

## Shelf Life

The adhesion performance decreases with time; we therefore recommend use within 6 months after delivery.



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