

Data Sheet Norseal 2521

Soft, closed cell PVC foam. Watertight seal. Flame retardant grade.

Product information

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.

Properties / Advantages

NORSEAL 2521 is a closed cell PVC foam with a very low density and a low force to compress.

NORSEAL 2521 is designed to create a watertight seal with a minimal amount of force. This ability allows it to conform easily to rough or irregular surfaces. It is also ideal for sealing thin gauge metals or plastics which could distort easily under greater pressures.

Dimensions

| | | |
|------------------------------|-------------|---------------|
| Thickness (mm) x length (m): | | |
| Black or Grey | 3 mm x 30 m | 4.5 mm x 20 m |
| | 6 mm x 15 m | 10 mm x 10 m |
| | 12 mm x 8 m | 15 mm x 6 m |
| (Only Grey) | 20 mm x 5 m | |

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

Storage:

Material should be stored at room temperature.

Technical Data:

| | | |
|---------------------|---------------------------|-------------|
| Density | 90-130 kg/m ³ | ASTM D-1667 |
| Compression, 30% | 0.5-1.6 N/cm ² | ASTM D-1667 |
| Deflection, 30% | 0.2-0.6 N/cm ² | ASTM D-1667 |
| Hardness | 14 (shore 00) | ASTM D-2240 |
| Tensile | 16 N/cm ² | DIN 53571 |
| Elongation | 200 % | DIN 53571 |
| Water absorption | 4 % | NTP-35 |
| Service Temperature | -30 to +70°C | |

* NTP = Norton Test Procedure.

Flame retardant grade: NORSEAL 2521 is B1 certified (DIN 4102-01, 05/98).

Applications

- Partition walls
- Doors & windows
- HVAC
- Refrigeration
- Metal roofing
- Anti-squeak seals
- Retail weatherstripping
- Appliance

Application instructions

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

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

