PRODUCT NAME SOUDASEAL NEP

PRODUCT DESCRIPTION

Soudaseal NEP is a multi-purpose adhesive and sealant product based on neoprene rubber with high solid content for sealing & bonding between aluminium and metal (mill/raw and powder-coated) connections in fabrication industries and engineering/automotive industries.

PROPERTIES

- Good temperature resistance
- Extremely good resistance to exterior exposure
- Stays elastic after curing
- Paintable
- Fast hand tight bond
- Watertight
- Solvent based with high chemical, oil and solvent resistance
- Paintable

APPLICATIONS

- Sealing of mitre joints & connections in aluminium joinery.
- Sealing & Bonding airtight seams in the HVAC/ air-conditioning industry.
- Waterproof sealing of metal connections.

TECHNICAL DATA

Base	Polychloroprene rubber (neoprene)
Consistency	High viscosity mastic paste.
Curing System	Solvent Evaporation
Density	Approx 1,26 g/ml
Open Time	Ca. 15min
Weather Resistance	Excellent
Water Resistance	Excellent
Chemical Resistance	High resistance to oil, gasoline & ketones
Shrinkage	Moderate due to solvent loss
Application Temperature	+ 5°C → + 30°C
Temperature Resistance	-30°C to +120°C

Footnote: *Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.*

SUBSTRATES

- Substrate condition

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Clean, free of dust and grease.

- Substrate preparation
  No pretreatment required.
- Substrate types
  All types of metals and plastics. We recommend a preliminary adhesion and compatibility test on every surface.

APPLICATION METHOD

- Preparation
  Clean and dry and free from dust and loose or flaking material. A good surface preparation will ensure better adhesion. A wipe with Soudal Solvent Cleaner or Soudal Express Powder coat cleaner is recommended.
- Application Method
  Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply the product evenly without air inclusions into the joint.
  Smoothen the joint with a spatula with the help of finishing solution. Avoid that finishing solution comes between the joint edges and sealant (to prevent adhesion loss).
  Soudaseal NEP gains its strength by losing solvent therefore two completely impervious surfaces will have a slow strength build-up. Soudaseal NEP will be touch dry within a few minutes, however it may take longer to completely dry through depending on the thickness off adhesive applied.
- Cleaning Method
  Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing)
- Finishing Method
  Finish with a soapy solution or Soudal Finishing Solution before skinning.
- Repair method
  Repair with same material

HEALTH AND SAFETY RECOMMENDATIONS

- Apply the usual industrial hygiene.
- Pre-testing for adhesion is intended to eliminate potential field problems. This testing will aid in determining the proper surface preparation method.
- For more detailed information, please refer to the SDS.

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PACKAGING / LOGISTICS

Cartridge 290ml (net content), Colour : Grey
12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C → +25°C.

ENVIRONMENTAL CLAUSULES

- Soudal Soudaseal NEP will bridge up to 3mm (due to solids content).
- Soudal Soudaseal NEP is not designed as a “Flexible Sealant”. If you require a flexible sealant then you should consider the Gorilla MS or the Soudal Silicone Range.
- When painted with oxidative drying paints disturbances in the drying of the paints may occur.
- Soudal Soudaseal NEP must not be applied to frost-bearing surfaces or if temperature will be below freezing
- The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance

REMARKS

This technical data sheet replaces al previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.

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