

SOUDASIL 400N1

Issue Date: 06/2/26

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Technical Data:

Specific Gravity	1.18	1.03
Sag/Slump	NIL	NIL
Tack-Free Time	20 min.	15-20 min.
Cure Time (75°F and 50% RH) 3/8" thick	24 hours	24 hours
Extrusion Rate	250 g/min.	250 g/min
CURED – Physical		
Elongation	500%	550%
Durometer Hardness, Shore A	27 +/- 5 points	16 +/- 5 points
Tensile Strength	260 psi	240 psi
VOC	26 g/l	29 g/l
Service Temperature	-40°F to 325°F	-40°F to 325°F
Application Temperature	-35°F to 140°F	-35°F to 140°F

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.
Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Product:

Soudasil 400N1 Siding, Window & Metal Roof Sealant is a VOC Compliant, one-part, neutral curing, sealant formulated for the siding, window and metal roof market. It offers primerless adhesion to vinyl, wood, aluminum, brick, concrete, fiber cement and metal roofing. For use as a perimeter weatherseal for field glazing and window installation and as a primary backbedding compound. Soudasil 400N1 Siding, Window & Metal Roof Sealant cures in the presence of moisture to provide excellent resistance to cold, rain, ozone, heat and sunlight.

Characteristics:

- Permanent color
- UV resistant
- Excellent moisture and mold resistance.
- Stays fully elastic after curing
- Very good adhesion on many materials
- Very easy application
- Medium modulus
- Movement up to +/- 50%

Applications:

- Building and construction joints
- Top sealing at glazing jobs
- Suitable as backbedding compound as well as weather sealant

- Joints with high movement between different building materials
- Sealing between treated wood, metal, PVC profiles and glass

Color:

Various

Packaging:

10.1 fl. oz. cartridges

Surfaces:*Type:* all usual building surfaces*State of surface:* clean, dry, free of dust and grease*Preparation:* Prime porous surfaces with Primer 150, no primer required for non-porous surfaces. The use of Soudal Surface Activator on smooth surfaces will improve the adhesion of Soudasil 400N1.

We recommend a preliminary compatibility test, especially on PVD and powder coated materials.

Joint Size:

Minimum width: 1/4"

Maximum width: 1 3/16"

Minimum Depth: 1/5"

Recommendation: 2 x depth = width

Remark: This information and all further technical advice are based on SOUDAL present knowledge and experience. However, SOUDAL assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, SOUDAL disclaims all WARRANTIES EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. SOUDAL SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. SOUDAL reserves the right to make any changes according to technological progress or further developments.

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Application:

Method: manual or pneumatic caulking gun

Finish: soapy water before skinning

Repair With: Soudasil 400N1

Clean Up: white mineral spirit immediately after use

Shelf life:

12 months in unopened packaging in a cool and dry storage place at temperatures between +41° F and +77°F. Storage in excessive heat and/or high humidity conditions may reduce shelf life up to 30%.

Remarks:

- Do not use on natural stones like marble, granite due to possibility of staining.
- Not recommended for use on PC and PMMA because it can cause crazing (stress cracking) on these materials.
- Tests carried out in our laboratories show that Soudasil N1 is compatible with most edge seals of insulating double glazing and conventional PVB films. Due to the large number of edge sealing systems on the market, it is impossible to test the compatibility of all combinations with glazing sealants.
- Do not use as structural glazing adhesive.

Meets:

ASTM C 920, Type S, Grade NS, Class 50; AAMA 802.3-92 TI; AAMA 802.3-92 TII; AAMA 803.3-92 TI; AAMA 805.2-92; Federal Specifications TT-S-00230C and TT-S-001543A

Caution:

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE AND THROAT. KEEP OUT OF REACH OF CHILDREN. Avoid skin and eye contact. On Contact, uncured sealant could cause irritation to skin and eyes. In case of eye contact, flush eyes with warm water for 15 minutes, call a physician. For skin contact, remove sealant with a paper towel. If swallowed, do not induce vomiting, call a physician. Soudasil N1 is manufactured for professional use only. Refer to Safety Data Sheet (SDS) for further information.

Limited Warranty:

Soudal warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Soudal makes no warranty or guarantee, expressed or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Soudal shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.

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