

SEALANTS

N400 Two-Part Polysulfide Insulating Glass Sealant

PRODUCT NAME

N400 Two-Part Polysulfide Insulating Glass Sealant.

PRODUCT DESCRIPTION

N400 is a two component, polysulfide based, elastomeric sealant specifically designed for sealing insulating glass. N400's high structural strength, excellent adhesion, and low moisture vapor transmission rates allow manufacturers to produce superior units with a very long service life. Units properly constructed with N400 have achieved CBA ratings when tested under ASTM E773 and E774.

ADVANTAGES

- No wasted catalyst (black); no batch matching required
In drums, N400's unique No Batch Matching System eliminates the need to discard wasted catalyst (black) material between drum changes, saving one pail of catalyst in every seven to eight drums.
- Compatible for use with Super Spacer™
- Excellent adhesion to glass, aluminum, zinc and plastic
- Non-sag characteristics with easy application
- Adjustable work life and cure times to meet your needs
- Fastest cure time (1 hour)
- Outstanding resistance to all environmental extremes
- High resistance to oil and solvent glazing compounds

Application Properties

	Base	Catalyst	Mix
Color	Off White	Black	Gray
Specific Gravity	1.7	1.77	1.71
lbs./gallon	14.2	14.8	14.2
Mix Ratio by Weight	100	8.3	12/1
Mix Ratio by Volume	100	8.0	12.5/1
Viscosity*	120,000-150,000 cps	80,000-120,000 cps	Non-sag
Application Life @ 75 °F*	—	—	5-60 Minutes
Cutting Time @ 75 °F*	—	—	1-3 Hours

*Adjustable to your needs

Hardness, Shore A

1 Day @ 75°F	30
7 Days @ 75°F	35
14 Days @ 158°F	40

Peel Strength Glass/Aluminum-100% Cohesion

7 Day Cure @ 75°F	15 lb/inch
14 Day Cure @ 158°F	15 lb/inch

Shear Strength Glass/Aluminum-100% Cohesion

7 Day Cure @ 75°F	80 PSI
14 Day Cure @ 158°F	115 PSI

Temperature Range

-60 °F to 180 °F

Moisture Vapor Transmission

M.V.T.R.	2.0 g/m ² /24 hr
Permeance	.26 g/m ² /24 hr/mm

PACKAGING:

1-1/2 Gallon pail kits (Parts A & B packed together)
5 Gallon kits (Parts A & B packed together)
55 Gallon kits (Part A in 5 Gallon pail and Part B in 55 Gallon drums).

MIXING INSTRUCTIONS:

N400 in drums is easily mixed by available automatic meter/mix equipment. 1-1/2 and 5 Gallon Kits can be mixed by hand or with a small sealant mixer paddle.

APPLICATION CONSIDERATIONS:

In order to produce the highest quality insulating glass units:
(1) All insulating glass component surfaces must be cleaned of dirt, oil, grease, water and other foreign substances
(2) The sealant must be applied correctly
(3) Units should be properly glazed

GLAZING RECOMMENDATIONS:

Glazing compounds which come in contact with N400 must be compatible.

SHELF LIFE AND STORAGE:

N400 will remain in its original state for at least six months when stored in its unopened container between 60 °F (15.5°C) and 80 °F (26.7°C). If stored at lower temperatures, 24 to 72 hours should be allowed for the material to come to room temperature.

CLEAN UP:

Unmixed sealant may be cleaned by washing in toluol, mineral spirits or common safety solvents. Proper precautions should be taken when using these solvents.

SAFETY PRECAUTIONS:

Avoid sealant ingestion by washing hands prior to eating or smoking. Work area should be well ventilated. In case of eye contact flush eyes thoroughly with warm water and seek medical attention.

LIMITED WARRANTY NOTICE:

CRL and its manufacturer warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control in the application process. Therefore, except for such replacement or refund, CRL and its manufacturers make no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products. CRL and its manufacturers shall have no other liability with respect thereto. User shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the CRL Product Manager.