

PENEBAR™ NS

BUTYL RUBBER SEALANT FOR PRECAST STRUCTURES

DESCRIPTION

PENEBAR™ NS is a unique butyl-rubber-based preformed flexible sealing compound. It is designed to seal as a flexible non-swelling gasket to all types of precast structures.

APPLICATIONS

Manholes
Septic tanks
Box culverts
Concrete vaults
Vertical and horizontal concrete panel structures

DIRECTIONS FOR USE

How to apply PENEBAR™ NS:

- 1) While applying moderate pressure with the heel of the hand, press a bead of PENEBAR™ NS firmly into position on the standing structure.
- 2) Tightly butt ends to form a continuous, uninterrupted seal.
- 3) Peel the protective covering from the exposed side of the installed PENEBAR™ NS.
- 4) Tightly seat the precast concrete units on the PENEBAR™ NS to form a continuous gasket.

STORAGE / SHELF LIFE

When stored in a dry enclosed area off the ground at a minimum temperature of 45°F (7°C) in unopened, undamaged cartons, shelf life is unlimited.

SAFE HANDLING INFORMATION

Keep out of reach of children. Refer to the Safety Data Sheet for additional information.

TECHNICAL DATA

Typical properties @ 70°F (21°C):

Description	Standard	Specification (ASTM C990 Sec 6.2)	Results
Color	-	-	Black
Specific gravity	ASTM D71	1.15-1.5	1.2
Ductility (cm)	ASTM D113	5 min	11.0
Cone Penetration @ 77°F (25°C) dmm	ASTM D217	50-120	55
Cone Penetration @ 32°F (0°C) dmm	ASTM D217	30 min	40
Flash point, C.O.C	ASTM D92	350°F (177°C) min	567°F (297°C)
Fire point, C.O.C	ASTM D92	375°F (191°C) min	569°F (298°C)

Minimum storage temperature:

40°F (4°C). Product should not be allowed to freeze.

Application temperature range:

-9°F to 100°F (-23°C to 38°C)

Service temperature range:

-29°F to 180°F (-34°C to 82°C)

Chemical resistance:

60-Day Immersion Testing: No visible deterioration, no cracking and no swelling when tested in 5% Caustic Potash, 5% Hydrochloric Acid, 5% Sulfuric Acid, and 5% saturated Hydrogen Sulfide.

Hydrostatic test:

PENEBAR™ NS meets the hydrostatic performance requirement, as per ASTM C990 sec 10.1

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