

Product Description

Vibra-Tite 816 is a high performance, multipurpose structural adhesive/sealant designed for difficult bonding and sealing applications. It is a moisture curing sealant developed for industrial uses requiring elasticity, high immediate green strength and excellent adhesion. Non-sagging but easy to gun/apply in field installations.

Vibra-Tite 816 is tough, elastic and waterproof. It bonds aggressively to steel, aluminum, ceramics, polystyrene, polyvinylidene fluoride coated metal, glass, wood and many plastics. Vibra-Tite 816 is suited for many applications requiring adhesion to concrete and other industrial construction surfaces.

Features and Benefits

- Solvent and isocyanate-free
- Silicone-free
- Good chemical resistance
- Can be applied on vertical or overhead surfaces
- Will not shrink or crack
- Resistant to weathering and degradation
- Permanently elastic in a broad temperature range
- Non-flammable
- Paintable

Conforms to Following

- ASTM C920 Class 15, Type S, Grade NS, Use NT, A, M, & G
- TT-S-00230-C Type II, Class B
- Conforms To California Proposition 65
- Conforms To USDA Requirements For Non-Food Contact
- Meets Requirements Of CARB & SCAQMD
- VOC Compliant (17 grams/liter ASTM D2369)

Material Overview

Basic Material	Proprietary Polymer
Consistency	Paste
Color	White
Odor	Negligible
Components	1
Cure Type	Moisture
Type	Elastomer
Specific Gravity	1.65
Viscosity @ 75F	750,000 cPs
Isocyanate Percentage	0%

Physical Properties

Shear Strength	130 psi	ASTM D 412
Elongation at Break	300%	ASTM D 12
Hardness Shore A	34	ASTM C-661
Tack Free Time	60 minutes	ASTM-679
Slump (sag)	Zero Slumping	ASTM C-639
Stain Testing	No Staining	
Initial Skin Formation	20-30 minutes	77°F, 50%RH
Low Temp Flex	-75°F	Pass
Weight per gallon	~13.80	
Service Temperature	-50°F to 220°F	
Full Cure Time	1 week	
Depth of Cure	11mm	1 week



Common Applications

- Joint Sealant Applications
- Trailer & RV Manufacturing
- Walk-In Freezer Manufacturing & Installation
- General Construction Applications
- Industrial Manufacturing Applications
- Roofing Applications
- Pre-cast Concrete Applications
- Window & Door Installation
- HVAC Applications

Common Substrates

- Kynar® Coated Substrates
- Ceramics
- Fiberglass
- Glass
- Granite
- Marble
- Aluminum
- Galvanized Metals
- Wood
- EPDM
- EPS/Styrofoam
- Porcelain
- PVC
- PC
- PMMA
- Porous Masonry Materials

Storage

Product should be stored in a cool and dry location at temperatures below 40°C. Optimal storage is 22±4°C. Shelf life is 12 months from date of manufacture when stored at 22±4°C

Note

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.

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For assistance and recommendations on specifications for this product, contact ND Industries

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