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Silicone Product Data



Why pros prefer ASI Silicone Vinyl-Seal Its performance... plus versatility

ASI 405 Silicone Vinyl-Seal is the perfect choice for the manufacturing and installation of vinyl windows. ASI 405 Silicone Vinyl-Seal has excellent adhesion and sealing capabilities and in addition won't crack, dry out or shrink.

- Easy "Gunnability." ASI Silicone Vinyl-Seal is ready to work. At anytime...or temperature, which makes it ideal for in-shop and mobile application.
- Excellent bond. When you need to bond glass to vinyl, wood, aluminum, metal, acrylic or other materials, you'll get the right answer with ASI Silicone Vinyl-Seal.
- Standard colors: Clear and white. Special colors available.

TYPICAL PROPERTIES

UNCURED:

Type	One-part, RTV silicone rubber
Appearance	Smooth, non-slump paste
Specific Gravity	1.02
Extrusion Rate	6 grams/10s
Skin Over Time	15 minutes
Cure Method	moisture cure
Cure Time	24 hours (1/4" bead)
Slump/Sag	Non-Sag

CURED:

at 25°C (77°F) and 50% R.H. for 7 days (1/4" bead)

Durometer Hardness (Shore A) (ASTM D 2240)	18
Tensile Strength (ASTM D 412)	
Elongation at Break (ASTM D412)	500%
Tear Resistance (ASTM D624, Die B)	
Coefficient of expansion (in/in, °F)	
Dielectric Strength (ASTM D149)	
Volume Resistivity (ASTM D 257)	
Dissipation Factor (ASTM D 150)	
Dielectric Constant (ASTM D150)	
Temperature Range After Cure	
Shear Strength (lb/in ²)	
Peel Strength lb/in(°)	
Shrink Factor Cure Method	Nil

Information on this techsheet is subject to change without notice and it is therefore recommended that this information not be used for spec writing. For additional information on specific applications, contact manufacturer.

Product Information

ASI 405 Silicone Vinyl-Seal

DESCRIPTION

ASI 405 Silicone-Vinyl Seal is a high performance one part silicone sealant which reacts with moisture at ambient temperatures to form an attractive, color-stable, durable, highly flexible rubber seal with excellent movement capabilities. ASI 405 Silicone Vinyl-Seal has good adhesion to non-porous surfaces such as glass, metals, and plastics, as well as porous surfaces.

MILITARY SPECIFICATIONS

ASI 405 meets the requirements of MIL-A-46146A.

CONSTRUCTION SPECIFICATIONS

ASI 405 meets U.S. Federal Specifications TT-S-001543A and TT-S-00230C.

GENERAL USES

ASI 405 Silicone Vinyl-Seal is primarily intended for use in perimeter sealing of window door frames, butt glazing, 2 sided structural glazing, dual seal insulated glass units, in expansion and construction joints in masonry or metal building panels, and sealing

curtain wall joints where the low modulus flexibility is beneficial. Pre-application testing to determine feasibility to use in a given application is recommended prior to actual use.

HANDLING AND SAFETY

Uncured product contact can irritate eyes. In case of contact with eyes, flush immediately with water for 15 minutes. If irritation persists seek medical attention.

SURFACE PREPARATION

Provided that all bonding surfaces are clean and dry, ASI 405 Vinyl Seal has excellent unprimed adhesion to most substrates. If there is any doubt about contamination, surfaces should be solvent wiped with oil free solvents, such as Xylol, Toluene, Naptha, or Non Flammable Chlorinated Solvents.

PRIMING

Priming for ASI 405 Vinyl Seal is normally not required for application to most substrates. Unprimed adhesion can be tested by applying a small trial bead and allowing 7 days for

maximum adhesion to occur. ASI 405 Vinyl Seal has excellent un-primed adhesion to many substrates as shown in the adhesion chart.

PAINTING

ASI 405 Vinyl Seal should not be applied to surfaces which will be painted. Painting over sealant is not recommended because paint film does not stretch with the expansion of the sealant and the adhesion of paint to the sealant is not adequate.

PACKAGING

ASI 405 Vinyl Seal is supplied in 10.2 fl. oz. cartridges, 5-gallon pails, 55-gallon drums, and special packaging if requested.

WARRANTY AND LIMITATION

ASI warrants its products will meet its specifications. ASI shall in no event be liable for incidental or consequential damages. Except as expressly stipulated, ASI's liability expressed or implied is limited to the stated selling price of any defective goods.