Mincey

CUSTOM CAULKS

Mincey High Grade Siliconized Acrylic Latex

PRODUCT DATA SHEET OEM Industrial and Construction Product

Features:

• Paintable
• High Performance, Excellent Adhesion
• Resistant to UV degredation and Weathering • Mold and Mildew Resistant
• Resist Stains and Dirt
• Bonds to a Variety of Common Substrates

• Extremely Flexible and Durable (Will not crack or dry out)

Additional Benefits:

- Contains No Solvents which makes Mincey High Grade Siliconized Acrylic Latex VOC Compliant
- Surpasses other latex caulks with exceptional performance
- Withstands a wide range of high heat and extreme cold
- Fast Tack Free Time

Description:

Mincey Siliconized Acrylic Latex is based on a 100% acrylic emulsion. Mincey Siliconized Acrylic Latex is further modified with special additives to optimize resistance to oxidation, UV degradation and cold temperature. When cured, a tough, durable, waterproof acrylic sealant is formed with an optimal life expectancy. Mincey Siliconized Acrylic Latex Siliconized Acrylic Latex cures quickly to form a strong, flexible and water tight seal that does not shrink like other latex based caulks. Mincey Siliconized Acrylic Latex bonds to all common building materials and is flexible enough to be used on moving and non moving joints. This makes Mincey Siliconized Acrylic Latex ideal for various applications where movement could occur overtime. Mincey Siliconized Acrylic Latex will also expand and contract with paint which allows it to be a paintable.

. **Common Applications:**
Mincey Siliconized Acrylic Latex is an excellent sealant and/ or adhesive for many Commercial, Industrial, and Construction applications where a long-term, permanently flexible bond or seal is required. Such applications include:
• OEM Applications (depending on substrates) • Bathroom Installation/Sealing
• Window and Door
• General Sealing
• General Construction
• Aluminum Siding and Metal Siding
• General Industrial Applications
• Metal Building and Portable Housing Applications
• Glass Glazing
• Trimwork
• Tub and Tile
• Cabinets
• Waterproofing
• Applications Where Painting is Required
• Etc. (Can be used for various applications depending upon substrate)

Common Bonding Substrates:

Mincey Siliconized Acrylic Latex can be used on a variety of substrates that are not listed below. Please inquire or test on those substrates. We have listed some common substrates for your viewing:
• Aluminum
• Ceramics
• Glass
• Granite
• Marble
• Metals
• Most Woods
• Most Plastics
• Porcelain
• PVC
• Steel
• Etc.

Directions: Apply with conventional caulking equipment. Upon application the sealant bead will appear white and dry clear (clear only). Depending on the atmospheric conditions the sealant bead will turn clear in about 7 days. For tooling ease, tool within 10 minutes of the application. If tape is used, remove tape before the material skins.	**Surface Preperation:** Surface should be clean and dry. Do not use solvents to clean joints unless surface can dry thoroughly before application of sealant. Remove loose dust or dirt. Contamination from curing agents and form releases should be avoided. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur. If primer is required, contact ASI. Contact American Sealants Technical Service Department or representative.
Safety Precautions: Keep from freezing. Do not take internally. On direct contact, uncured sealant may irritate eyes. Flush eyes well with water and call a physician. Avoid prolonged contact with skin.	**Storage:** Mincey Siliconized Acrylic Latex , when stored in original, unopened container 40°F to 90°F has a shelf life of 12 months from date of shipment. Keep from freezing.

Listed Properties:

C-834 ASTM SPECIFICATIONS

ASI 174 conforms to the ASTM Specification C-834-76 by meeting all the requirements as listed below:

	REQUIRED	TEST RESULTS
C-731 Extrudability	2 g/s minimum	10.2 g/s
C-732 Artificial Weathering	No washout, discoloration loss of adhesion or cracking after 500 hours of weathering	Meets Requirements
C-733 Volume Shrinkage	30% maximum	Meets Requirements
C-734Low Temperature	No cracking through to Flexibility substrates or adhesion loss	Meets Requirements
C-736 Extension Recovery	Recovery 75% minimum Adhesion loss 25% maximum	93% 25%
D-2202 Slump	0.15 inches maximum	0.08 inches
D-2203 Staining	3 maximum	0
D-2377 Tack-Free Time	No adhesion to polyethylene film after 72 hours at room temperature	<1 hour

Physical Property	Results	Test Method
Viscosity	600,000 cps Rheomoter	Spindle E. Brockfield DV III
Elongation	500% +/- 50%	Test Lab
Tensile	41 psi	Modified D412
Adhesion		
Glass	13.30 *P.L.I.	ASTM C794 (inc watersoak)
Aluminum	20.00 *P.L.I.	ASTM C794 (inc watersoak)
% Non-Volatile, by weight	80% +/- 2.5	ASI TEST MTHOD
Weight Per Gallon	12 +/- 2.0	Gardner Cup
PH (initial)	7 to 9	pH Meter
Tack Free Time	<1 hr @ 72°F	Test Lab
Cure Time	72 hrs.	Test Lab
Odor	Mild	Subjective
Application Temperature	40°F to 90°F	Test Lab
Service Temperature	-20°F to 180°F	QUV Freezer/OE Fence/Lab Oven
Flash Point	>200F - Non Flammable Waterborne	Closed Cup
Shelf Life	1 Year @ 72°F	Test Lab
Specific Gravity	Approximately 1.4 to 1.5	Test Lab
Painting	Excellent Latex: 4-6 hrs. Oil based: 24 hrs.	
Freeze/Thaw Stability	Pass 5 Cycles	ASTM C731
Time to Clear (Applieds Only to 174CL)	36 hours	Test Lab

** Pounds per Linear Inch*