

ram Silicone Sealant

PRODUCT DESCRIPTION

ram Silicone Sealant is a uniquely formulated low modulus non-sag sealant produced for sealing joints in concrete structures. The sealant is supplied as a ready-to-use one component moisture curing system which provides a lasting and flexible seal. **ram** Silicone Sealant can also be used in all typical concrete joint applications on highway and airfield pavements. **ram** Silicone Sealant offers outstanding weathering resistance, remains flexible down to temperatures as low as -50F (-46C), is jet-blast resistant and will maintain serviceability when exposed to intermittent fuel and oil spills. The sealant bonds strongly to concrete joints without the use of a primer. ram Silicone Sealant is applied to joints using bulk dispensing system units such as those available from manufacturers including Pyles and Graco.

<u>Uncured Properties</u>	<u>Test</u>	<u>Specification Limits</u>
Extrusion Rate	ASTM C603	25 sec. max.
Extrusion Rate	Mil 8802	75-250 g/min.
Tack Free Time	ASTM C679 ASTM D2202	25-90 minutes 0.3 in. (.75cm) max.
<u>Cured Properties</u>		<u>Specification Limits</u>
Through Cure Time, " x "		14 day max.
Elongation	ASTM D412-C	800% min.
Stress at 150%	ASTM D412-C	45 psi max.
Shore a Hardness	ASTM D2240	20 max.
Specific Gravity	ASTM D792-A	1.15-1.515
Adhesion to Concrete	Mil 8802	20 pli (3.5 kg/cm) min.
Bond & Movement Capability	+/- 50% ASTM C719	Pass 10 cycles
Accelerated Weathering	ASTM C793	Pass 5,000 hours
Bond to Mortar	AASHTO T132	50 psi minimum
Tensile Adhesion , %	ASTM D5329	400% minimum

Packaging and Storage

ram Silicone Sealant is packaged in plastic lined open head 55 gallon (208L) drums which contain 50 gallons (189 L) of material. Additionally, for small applications the sealant is available in plastic 5 gallon (19 L) pails and quart (0.95 L) caulking tubes. Store ram Silicone Sealant out of direct sunlight, in a cool, dry location. Sealant should not exceed 90°F (32C), or be exposed to excessive humidity. Storage life is approximately six (6) months from date of shipment.

Preparation and Application Techniques

The surfaces to be sealed should be dry, clean and free from grease and other contaminants. For detailed application procedures, refer to the Barrett Application Instruction for ram Silicone Sealant.

Precaution

This component contains highly flammable solvents. Smoking or open flame must not be permitted at the job site. Adequate ventilation must be provided. Care must be taken to avoid breathing the solvent-based vapors, which are harmful to health. Follow other specific precautions listed on the product package label and on the Material Safety Data Sheet.