

SM 750

ACRYLIC COPOLYMER



PRODUCT NAME:
SM 750 Crosslinking Acrylic Copolymer.

MANUFACTURER:
Schnee-Morehead, Inc. Please refer below for listing of manufacturing facilities.

PRODUCT DESCRIPTION:
SM 750 is an oxidative cure, self cross-linking acrylic copolymer in toluene solution.

BASIC USES:
SM 750 is used to compound high performance sealants for exterior construction joints, fenestration, and general use.

HANDLING:
Drums of SM 750 should be stored at 72°F or higher during cold weather to minimize handling problems due to high viscosity.

CLEAN UP:
Toluene may be used to assist in clean-up of equipment contaminated with residual SM 750.

SAFETY:
Toluene, the solvent in SM 750, can be hazardous to your health. Use in a well ventilated area and avoid breathing vapors. Keep away from all sources of ignition and ground all containers. The acrylic copolymer itself is nontoxic. See the Material Safety Data Sheet for other information.

PACKAGING:
SM 750 is available in bulk and in lined open head 55 gallon drums.

SHELF LIFE:
In a tightly closed original container, SM 750 has a shelf life of one year from date of manufacture. Some tolu-

TYPICAL PROPERTIES	
Characteristic	Result
Density (lbs/gal) @ 100% Solids	9.03
Density (lbs/gal) @ 85% Solids	8.49
Specific Gravity (25°C)	1.018
Molecular Weight (Wt. Avg.)	310000 Typical
Molecular Weight (Number Avg.)	20000 Typical
Appearance	Clear Solution
Color	Yellow-Amber
Flash Point (deg. F)	31
Shipping/DOT	Flammable Liquid
TLV (ACGIH, TWA)	50 ppm
Boiling Point (deg. F)	232 (Solvent)
Evaporation Rate	1.9 (Solvent) (BuAc=1)
Water Content, % Max.	0.01
Odor	Aromatic Odor
Vapor Pressure (20°C)	22 mm Hg (Solvent)
Nonvolatiles (Percent)	84-87%
Solvent	Toluene
Viscosity, #5 @ 5 RPM, 77°F	32,000-62,000 cps

ene evaporation can take place but the solids content can easily be adjusted if necessary.

7. WARRANTY CONDITIONS OF SALE AND LIMITATIONS OF WARRANTIES:

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It shall be the sole responsibility of the user to determine the suitability of the Schnee-Morehead product or material for each intended use and the user shall assume all risks and liability in connection with the use, or inability to use, the product or material.

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SUGGESTED SEALANT FORMULATION

SM 750 ¹	614.8
Duramite ² Extender ^c	687.3
Thixatrol ³ ST Thixotropic Agent ^a	51.6
Ti-Pure R-901 ⁴ Pigment ^d	25.5

Charge above to a high shear mixer, heat to 125°F, and mix 45 minutes at low speed. Check for lumps and dispersion.

Cobalt Napthenate (6%) Drying Catalyst ⁵	0.65
Zinc Napthenate (8%) Drying Catalyst ⁵	3.20
Exhin No. 2 ⁶ Stabilizer	0.50
Z-6030 ⁶ Adhesion Promoter	1.40
Toluene	67.0

Premix above, charge, then mix for 15 minutes. Vacuum for 20 minutes, then sample. Adjust solids content for viscosity or slump by addition or vacuuming off toluene.

TYPICAL PROPERTIES:

Solids	90%
Viscosity 0.104 orifice @ 60 psi for 20g	60 sec.
Slump	0.1 inch
Ash	50.2%
Density	11.9 lb/gal

RAW MATERIAL SUPPLIERS:

Ingredient	Supplier
¹ SM750	Schnee-Morehead, Irving, TX
² Duramite	Cyprus Industrial Minerals, Englewood, CO
³ Thixatrol ST	NL Industries, Industrial Chemicals Division, Highstown, NJ
⁴ Ti-Pure R-901	E.I. duPont de Nemours & Co., Inc., Wilmington, DE
⁵ Cobalt and Zinc Napthenates	Neodex Division, Tenneco Chemicals, Inc., Elizabeth, NJ
⁶ Silane Z-6030	Dow Corning Corporation, Midland, MI
Exkin No. 2	Tenneco Chemicals, Inc., Piscataway, NJ

SCHNEE-MOREHEAD, INC.

LOCATIONS:

Complete technical information is available from Schnee-Morehead. Three locations are strategically located in the United States. For technical assistance, customer service orders and general information, please call **1-800-TRUST SM**.

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