



PRODUCT INFORMATION

Urethane; Polyurethane: Moisture Cure Solventbase Aliphatic Polyether

MC75

PRODUCT DESCRIPTION

MC75 is an oil-free, one-component aliphatic, moisture curing polyurethane resin. **MC75** provides a non-yellowing tough, hard coating on many rigid substrates, especially wood and concrete. It is a superior single-component aliphatic coating that outperforms many two-component products currently available. **MC75** is easily used as supplied and can be further formulated to meet your specific requirements.

APPLICATIONS

- hard and soft wood floors
- concrete floors as a topcoat and/or sealer
- seamless floors
- exterior and interior marine coatings
- conformal coatings for printed circuit boards
- ceramic floor tiles
- wood form coating for pre-cast concrete
- bowling alleys
- golf clubs

STORAGE AND HANDLING: **MC75** is a moisture cure, NCO terminated material; as such, any opened container that is exposed to moisture will gel and/or become solid. If moisture is introduced, use the product immediately. Any container, once opened, should be resealed with a nitrogen blanket. **MC75** should be applied at temperatures greater than 50°F. The higher the humidity and the temperature, the faster **MC75** will cure. Under normal conditions of 60-90°F and relative humidity above 35%, coatings made from **MC75** can be walked on in 5-12 hours. **MC75** can be recoated when tack free to foil in 3-10 hours after application. **MC75** has a shelf life of 6 months.

TECHNICAL INFORMATION

% Solids	40 ± 1
Viscosity (@ 25°C)	60-125 cps
% NCO	2.5 - 3.1
Weight/Gallon	8.01 lb ± 0.10
VOC Rating (lbs/gallon)	4.81 ± .06
VOC Rating (gms/liter)	576 ± 8
Color	Gardner 1 MAX
Solvent System	XyloI
Flash Point	81°F



PRODUCT INFORMATION

Typical Physical Properties

Elongation ²	85%
Hardness (Sward)	38
CS10 Wheel ¹	18 mg
CS17 Wheel ¹	28 mg
Gloss @ 60°	88
Tensile Strength ²	5000 psi
Impact Resistance	160 inch pounds (direct) 160 inch pounds (indirect)

Dry Times

Set to touch ³	15-20 min.
Surface dry ³	60-90 min.
Hard dry ³	3-6 hours

CAUTION: **MC75** contains flammable liquids. KEEP AWAY FROM HEAT, SPARKS AND FIRE. Do not leave container open. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapor or repeated or prolonged contact of liquid with skin.

ASTM TEST METHODS

% Solids - D-2369 Hardness - D-2134 Viscosity - D-2196 Tensile - D-412 Abrasion - D-4060
Wt./Gallon - D-1475 Elongation - D-412 VOC Properties D-3960

¹Taber Abrasion Weight Loss 1000 gram load/1000 cycles

²Instron tester; films pulled at 2 inches per minute

³Air dry 3 mil wet film, 40% TNV, 50% R.H. 72°F

02/15