



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 |



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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 (indirec |