



PRODUCT INFORMATION

Urethane; Polyurethane: Moisture Cure Solventbase Aromatic Polyether

MC40P

PRODUCT DESCRIPTION

MC40P is an oil-free, one-component aromatic, moisture curing polyurethane resin. MC40P provides tough, hard coating protection on a wide variety of rigid substrates, especially wood and concrete. It is a superior single component coating that outperforms many two-component products currently available. MC40P is easily used as supplied and can be further formulated to meet your specific requirements.

APPLICATIONS

- hard and soft wood floors
- wood form coating for pre-cast concrete
- concrete floors as a topcoat and/or sealer
- seamless floors
- conformal coating for printed circuit boards in the electronics industry
- bowling alleys
- golf clubs

STORAGE AND HANDLING: MC40P 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. MC40P should be applied at temperatures greater than 50°F. The higher the D P E L ^{Humidity} and temperature, the faster MC40P will cure. Under normal conditions of 60-90°F and relative humidity above 35%, coatings made from MC40P can be walked on in 5-12 hours. MC40P can be buffed and recoated when tack free to foil in 3-10 hours after application. MC40P has a shelf life of 6 months. A good quality brush or mohair roller, kept well filled will insure an even coat.

All finish coats should be applied within 24 hours. MC40P has a shelf life of 6 months from date of manufacture in an unopened container.

TECHNICAL INFORMATION %

Solids 40 ± 1
Viscosity (@ 25°C) 70-130 cps
% NCO 2.7 - 3.3%
Weight/Gallon 8.0 lbs ± 0.10
VOC Rating (J/L) 585 ± 8
VO Rating (Wt/Gal.) 4.86 ± .06
Color Gardner 1 MAX
Solvent System Xylol-PM Acetate
Flas K 3oint 81°F

Typical Physical Properties

PRODUCT INFORMATION

Elongation 2 85%
Hardness (6ward) 38
CS10 Wheel 1 18 mg
CS17 Wheel 1 28 mg
Gloss @ 60° 95
Tensile Strength 2 5000 psi
Impact 5esistance 160 inch pounds (G L U H F W) 140 inch pounds U H Y H U V H

Dry Times

Hard dry³ 3 - 6 hours
Set to touch³ 10-20 min.
Surface dry³ 25-45 min.

CAUTION: MC40P 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 wetfilm, 40% TNV, 50% R.H. 72°F

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