



PRODUCT INFORMATION

Urethane; Polyurethane: Moisture Cure Solventbase Aromatic Polyether

MC52P

PRODUCT DESCRIPTION

LOW VOC MEETS SEPTEMBER 13, 1999 EPA AIM REGULATION

MC52P is an aromatic oil free one-package moisture cure polyurethane resin used to develop high gloss, coatings for wood, concrete and metal substrates. **MC52P** cures by the reaction of available NCO with moisture in the ambient environment, resulting in a coating with exception durability.

APPLICATION

--Hardwood Floors
--Concrete Topcoats (over epoxy surface)
--Metal Protective Coats

STORAGE AND HANDLING:

MC52P is a moisture cure, NCO terminated material; as such, any opened container which is exposed to moisture will increase in viscosity, gel and/or become solid. If moisture is introduced, use the product immediately. Any container, once opened, should be resealed with a nitrogen blanket. MC52P should be applied at temperatures greater than 50°F. MC52P has a shelf life of 6 months

TECHNICAL INFORMATION

% Solids	48 – 51%
Viscosity (@ 25°C)	50 - 100 cps
% NCO	4.9 – 5.6%
Weight/Gallon	8.85 ± 0.10
VOC Rating (Gms/Ltr)	431 ± 8
VOC Rating (Wt/Gal.)	3.59 ± .06
Color	Clear
Flash point	90°F

Typical Product Values

Elongation ²	85%
Hardness (sward)	38
Tensile Strength ²	5000 psi
Impact resistance (direct)	160 inch pounds
(reverse)	140 inch pounds

CAUTION: MC52P 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

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