

PRODUCT DATA SHEET
COROLON 3592
SINGLE COMPONENT ALIPHATIC POLYUREA COATING

TECHNICAL DESCRIPTION:

Corolon 3592 is a single component, light stable, environmentally safe coating.

USAGE: Corolon 3592 is primarily used as a protective coating system for use when colour stable weather protection and waterproofing is imperative.

COLOUR: Standard colour is white. Custom colours are available.

PHYSICAL PROPERTIES

TENSILE PROPERTIES:

ASTM D-412	Strength:	1400 psi minimum
	Elongation:	600% minimum
	Permanent Set:	15% maximum

TEAR RESISTANCE:

ASTM D-624	Die C	225 pli
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WEATHERABILITY:

Excellent.

ABRASION RESISTANCE:

Taber abrasor, 1 Kg load, 1000 cycles H-18 wheel, ~300 mg loss.

HARDNESS:

ASTM D-2240	Shore A	95
	Shore D	50

CHEMICAL RESISTANCE:

Good salt and solvent resistance. Fair resistance to acid and alkali.

WATER VAPOR PERMEABILITY:

ASTM E-96 procedure B.	
100% R.H. differences F	0.02 perm inches

FLAMMABILITY:

Not rated.

ADHESION:

Excellent adhesion to polyurethane foam, concrete and wood. See primer recommendation for others.

LIQUID COMPONENT PROPERTIES

COVERAGE: 1155 square feet per gallon.

SOLIDS: Weight: 81.3%± 0.5%
Volume: 72.0%± 0.5%

VOLATILE ORGANIC COMPOUNDS: Contains less than 235 grams/liter.

FLASH POINT: ASTM D-58 105° F

TOXICITY:

Contains combustible solvents. The TLV for the solvent is 200 parts per million. Provide adequate ventilation when applied in confined areas or use an air supplied face mask. The solvents and isocyanate may be irritating to the skin. Neutralize any material contacting the skin by washing with water for 10 to 15 minutes.

STORAGE STABILITY:

One year from date of manufacture when stored in unopened containers below 75° F.

THINNER AND CLEANER:

Clean with Toluene, Xylene, or Hi-Flash Naphtha, thin up to 10% with High Flash Naphtha or Mineral Spirits.

APPLICATION

EQUIPMENT: Mix Corolon 3592 before application to assure uniform colour and consistency. Corolon 3592 can be applied by brush, roller or spray. Thinning up to 10% by volume is allowed if viscosity increases. For spray applications, thinning is not recommended.

PRIMER: No primer is required for wood or concrete. Use Corolon 11 or #12 or #1007 primers for steel. Use Corolon 1007 primer on copper and glass

CURE TIME:

Corolon 3592 will cure in 36 hours at 60 F and 40% relative humidity. Lower temperature and humidity will require longer curing times.

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