

**Primer and Topcoat System**

**T-41s**

T-41s is a low viscosity, solvent-free, two-component methyl methacrylate (MMA) resin used for priming concrete surfaces prior to applying T-17 polymer concrete.

**Application Procedure**

Surface Preparation: All surfaces that are to receive T-41s must be thoroughly clean and free of all dirt, grease, rust, and other contaminants to provide a strong bonding surface for the polymer concrete. All damaged or deteriorated concrete shall be removed using a jackhammer or any other means, and cut back to sound concrete.

Mixing: Dissolve powdered hardener in T-41s resin depending on temperatures in Table 1 below.

**Table 1: Mixing Instructions for T-41s Primer**

Ambient Temperature	No. of 30 gm. Bags of BPO Per Gallon of T-41s Liquid
14 °F – 35 °F	6
36 °F – 55 °F	5
56 °F – 75 °F	4
76 °F – 104 °F	3

Application: Pour primer on clean, dry concrete surface and spread with brushes, rollers, or brooms. Apply evenly over the entire surface without forming puddles in depressions. For strong mechanical bond, broadcast clean, dry sand (#0 size) into the freshly applied T-41s at the rate of approximately 3 lb. per 100 square feet. Polymer concrete may be applied when the primer is tack-free or at any future date over the dry, cured primer. (Traffic should not be allowed on primed concrete surfaces)

**Properties\***

Property	Unit of Measure	Test
<b>Neat Resin</b>		
Viscosity	40 - 60 cps (mpa-S)	Brookfield
Density	8.16 lbs/gal (0.98 gms/ml)	ASTM D2849
Pot Life (@ 70 °F)	8 - 15 min	AASHTO T237
Flash Point	>49 °F (>9.5 °C)	ASTM D1310
Solids Content (w/catalyst)	100%	ASTM D1644

\* To be used as general guidelines only

## Packaging

The standard packaging for Transpo T-41s consists of a liquid component and a powder hardener in the following sizes:

Hardener: Available in standard 30 gm bags

Liquid:

T-41s Primer	55 Gallon Drum	5 Gallon Pail
Gross Weight (lbs.)	437	42.6
Net Weight (lbs.)	400	38.0
Nominal Volume (gal.)	51.4	4.65

## Storage

The liquid and hardener components can be stored for upto 12 months in original, unopened containers in a cool, dry area at temperatures less than 90 °F and greater than 35 °F.

## Caution

The uncured liquid component is flammable. All appropriate precautions should be taken. After curing, it will not support combustion. It is recommended that all persons involved in mixing and application wear protective clothing such as goggles, rubber boots, rubber gloves. As with all chemicals, read MSDS prior to use.

## Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of either product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that proves to be defective. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

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