

TC-73001

Clear PU Top Coat



Product Information Sheet

For reference only, not for specification use

DESCRIPTION:

TC-73001 is a solvent-based modified polyurethane coating.

USES:

Polyurethane coating with outstanding chemical and weather resistance designed for concrete, ferrous and non-ferrous metal, wood, chipboard and fiberglass

ADVANTAGES:

A modified polyurethane coating with good chemical and weather resistance. It has excellent adhesion to concrete, ferrous and non-ferrous metal, wood, chipboard and fiberglass

PACKAGING:

The TC-73001 is packaged in kits as pre-proportioned batches for error-free job site mixing and application.

SURFACE PREPARATION:

In general, the surface to be resurfaced or bonded must be clean, sound, dry and above 10°C to assure optimum bonding. Loose or soft particles must be removed by scarifying, shot blasting or high pressure cleaning. Then all oil, grease, wax, laitance and other surface contaminants must first be thoroughly removed by chemical and/or mechanical means. The prepared surface should be allowed to dry thoroughly before beginning the application.

Refer to the standard test methods below for further information.

ASTM D 4258-83	Standard Practice for Surface Cleaning Concrete for Coating
ASTM D 4259-83	Standard Practice for Abrading Concrete
ASTM D 4260-83	Standard Practice for Acid Etching Concrete
ASTM D 4262-83	Standard Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces

GENERAL PRODUCT DATA:

Mixing ratio by weight: A:B = 10:80

	Part A	Part B
Color:	Clear	Clear
Solid Content (%)	100	~38
Flash Point (°C)	>100	>30
Viscosity @25°C, Brookfield RVT Spindle 2, Speed 10 cps	3000	< 500
Shelf Life @25°C (months) -min. from date of shipment	6	6
Port Life, min		~ 60

TYPICAL PHYSICAL PROPERTIES:

	Properties
Color	Clear
Gloss, 60°	96.1
Impact Resistance (12.5mm, 0.5kg, 50cm)	OK
Acid Resistance, 72 hrs (5% Sulfuric Acid)	OK
Hardness	2H
Alkaline Resistance, 72 hrs (5%, caustic)	OK

MIXING:

Before proceeding with the mixing and application of TC-73001, the surface should be checked to make sure it is properly prepared and the temperature of the surface is above 10°C.

- Carefully empty the contents of the Part 'A' entirely into the can of Part 'B'.
- Stir with an electric drill with a paint mixing paddle for small batch units, or a Jiffy Mixer for large batch units, until completely blended. This will take about 60 seconds. Be careful to mix the contents completely.
- The mixed components (A+B) must be used within the pot life of the material. Mix only enough material to be used within the pot life.



APPLICATION:

1. The PU coating mixture should not be poured on the substrate directly
2. Apply by roller, spray or brush
3. Weight accurately; any variation in mix ratio will result in degraded properties
4. Use only in ventilated area
5. Use fume mask and gloves
6. Avoid skin contact

Storage:

1. Part A and B is moisture sensitive, store in a cool, dry place.
2. TC-73001 is inflammable. Keep away from sparks and open flames.

CURE TIMES:

Dry to touch:	40 min.
Recoat time:	4 hrs
Full cure:	7days @25 °C/ 2hrs @ 80 °C

CLEAN UP:

Tools should be cleaned immediately after use with soap and water. Solvents such as Xylol or paint thinner can also be used. But care should be taken before using any flammable and hazardous solvents.

DISPOSAL:

Dispose in accordance with local regulations. Use licensed hazardous waste company.

Empty containers may contain product residue, including flammable or explosive vapor. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been properly disposed of.

For Industrial Use Only

KEEP OUT OF THE REACH OF CHILDREN.

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