

## PU SOLVENT BASE 2K UV RESISTANCE

Product No. **PS3881**

**Ritver PU Solvent Base 2K UV Resistance** is a good quality Acrylic polyol High Build based top-finish and forms a two component product with a suitable curing agent. The product is based on a good endowed with very good opacity, hardness and yellowing resistance. It is especially recommended for systems to meet the harsh climatic conditions of the Gulf and other regions. Its proven performance helps it to be the best choice for a good quality Acrylic finish with long life.

### USE

**Substrates:** Concrete, steel, GRP, other metals, Textile systems and wood coatings.  
**Area of Use:** Interiors and Exteriors.

### SPECIFICATIONS

#### Properties

<b>Finish</b>	: Glossy and Smooth (Gloss levels of 10-30-50, some cases as desired)
<b>Color</b>	: Clear and for coloring purpose
<b>Specify gravity</b>	: 0.95 ± 0.02
<b>Solids (% by volume)</b>	: 48 ± 1
<b>Catalyst</b>	: 9:1 v/v (Component A : Component B, vol/vol)
<b>Pot life (at 30°C)</b>	: Minimum 4 hours after mixing
<b>Diluent</b>	: Ritver PU Thinner
<b>Film characteristics</b>	: Gloss, hardness, non-yellowing properties are satisfactory
<b>Flash point</b>	: <21°C

#### Spread Rate:

While the spread rate is directly dependant on the surface profile and also the type of undulations it has, as a thumb rule **Ritver PU Solvent Base 2K UV Resistance** would cover 12 – 14 sq. meters per lit.

<b>Drying Time (30° C)</b>	: Dust Free: 15 min : Touch Dry <60 min : Hard Dry > 24 Hours. : Packing > 12 Hours
<b>Recommended DFT</b>	: <b>1 mist coat followed by a good full coat.</b> App 30 - 40 mic.

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## SURFACE PREPARATION

A good surface preparation and following the method statement / recommended system procedure of Ritver is an ideal recommendation for the application of **Ritver PU Solvent Base 2K UV Resistance**.

Exclusions for successful application include perpetually wet surfaces and also large cavities on wood, metal and concrete surfaces.

### For Metals:

Achieve a good and clean surface by removing all contaminants by cleaning & drying. A rust free surface should be achieved by good sweep blast or a wire brush. In case of automobile substrates where a high degree of surface is to be maintained the use of **Ritver Degreasing Solvent** is recommended. The proceed with the recommended system.

### For wood:

Substrates that are generally used are clear wood natural, veneered or lightly stained. It is advised to use **Ritver PU Solvent Base 2K UV Resistance** after sanding with sanding paper about 120-150 type. Fill all the grains with a good liberal coat. Be sure that no sanding residues (or other) are present on substrate before applying the topcoat finish. Proceed with **Ritver PU Solvent Base 2K UV Resistance** after this to the desired coverage required.

### For Plaster, Masonry & Concrete:

Achieve a good and clean surface by removing all contaminants by cleaning & drying. A laitance free surface should be achieved by good sweep blast or a wire brush.

## APPLICATION METHODS

**Spray gun:** for spray application we suggest a normal spray gun with 1.8 mm nozzle at 3-4 atm/bar of pressure. It can be used even airless or air-mix spray guns.

**Curtain Coater:** the most important thing is to keep controlled the starting viscosity, adding PU thinner to compensate the evaporation of solvents.

**Subsequent treatments:** After drying this product does not need any subsequent treatments.

Adequate ventilation is an ideal situation as it helps in drying and the good application itself. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 3°C above dew point.

One can add 20 - 30% of **Ritver PU Thinner** for ease of application. In hot condition please take advice from Ritver technical services department for the correct thinner combination.

**Caution:** Over diluting would result in sag and run downs.

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## TYPICAL PAINT SYSTEM

<b>Ritver PU Solvent Base 2K UV Resistance</b>	Ritver Epoxy Primer Clear	1 coat
Or as per Ritver technical advice	Ritver Epoxy Putty	2 coats
	Ritver Epoxy Floor Coating (Top coat)	1 coat
	<b>Ritver PU Solvent Base 2K UV Resistance</b>	1 coat

## STORAGE & SHELF LIFE

Under dry and cool condition, Storage stability can be sound up to 6 months in original sealed containers.

### HANDLING

**Disposal:** As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.

**Flash Point:** Contains organic solvents and is app 21°C.

**Caution: It is strongly advised not to keep open half used drums as it forms a skin on the top layer.**

## SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.

MSDS is available on request for the safe handling of this product.

### FIRST AID

**Eyes:** In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

**Skin:** Wash skin thoroughly with soap and water or approved Industrial cleaner. DO NOT USE solvent or thinners.

**Inhalation:** Remove to fresh air, loosen collar and keep patient rested.

**Ingestion:** In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.

### NOTE

This product can be used even as non-yellowing fixative on lacquer manufactured, treated with ageing products; be sure of the compatibility with the products used in the varnishing cycle.

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