

ACRYLIC 2K GLOSSY WHITE

Product No. **PS3861**

Ritver PU 2K Topcoat SB is a high quality polyurethane top finish based on an acrylic resin cured with aliphatic isocyanate. The product exhibits excellent build, very good opacity and outstanding resistance to ultra violet light. It is especially recommended for systems to meet the harsh climatic conditions of the Gulf and other regions. **[This product is 1 two pack reactive performance coatings for specific end use such as floors under subcategory 10 of DM. The product is following the LEED certificate CREDIT EQ C4.2, as per the rules 1113 for the architectural coating, it has a VOC less water and exempt solvents less than 275 g/l. Ritver PS 3861 has a VOC of 308 g/l. Al Futtaim Exova, a third party laboratory has conducted the VOC test as per LEED requirement]**

USE

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

SPECIFICATIONS

Properties

Finish	: Glossy and Smooth (Gloss levels of 10-30-50, some cases as desired)
Color	: White and colored
Specify gravity	: 1.26 ± 0.02
Solids (% by volume)	: 62 ± 1
Catalyst	: 9:1 v/v (Component A : Component B, vol/vol)
Pot life (at 30°C)	: Minimum 4 hours after mixing
Diluent	: Ritver PU Thinner
Film characteristics	: Gloss, hardness, non-yellowing properties are satisfactory
Flash point	: <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 2K Topcoat SB** would cover 16 – 21 sq. meters per lit.

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

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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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 2K Topcoat SB**.

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 Primer** 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 Acrylic 2K Topcoat** 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

Ritver Acrylic 2K Glossy White	PS 1551 Ritver Epoxy Primer	1 coat
Or as per Ritver technical advice	PS 2521 Ritver Epoxy Intercoat	2 coats
	PS 3861 Ritver Acrylic 2k Glossy White	2 coats

STORAGE & SHELF LIFE

Under dry and cool condition, Storage stability can be sound up to 18 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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