

PU BASE COAT CLEAR Product No. XXXXX

Ritver PU Base coat Clear is a PU based two component product with a suitable curing agent. The product is endowed with very quick drying characteristics, good sand ability and gives good build up accompanied with good transparency, hardness, and non yellowing resistance. It is used as a base coat for varnish, natural clear wood, veneered or solid wood, used for furniture, furnishing components, cabinet doors, etc. Being, made of a non yellowing alkyd polyol it is the best alternate as an economical proposal for a durable system where life expectancy is very high.

USE

Substrates: wood work mainly for architectural nature, carpentry works and for making durable furniture.

Area of Use: Wood works of various nature, joineries & carpentry.

SPECIFICATIONS

Properties

Finish	: Smooth
Colour	: Clear and transparent.
Specific gravity	: 0.97 +/- .005 (slight variations can occur with change in gloss levels.
Mixed Solids (% by volume)	: 30 ± 2
Catalyst	: 50% by weight
Viscosity	: 60 – 70 Secs on F/Cup 4 at 30°c.
Pot life (at 30°c)	: min 4 hours after mixing
Diluent	: Ritver PU thinner. (Retarder or accelerators can be provided).
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 wood, as a thumb rule Ritver PU Base coat Clear would cover 8 – 9 meters per lit.
Drying Time (30° C)	: Dust Free: 15 min : Touch Dry <30 min : Hard Dry > 24 Hours. (Sanding after 12 hours allowed).
Recommended DFT	: Packing > 12 Hours : 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

Substrates that are generally used are clear wood natural, veneered or lightly stained. It is advised to use **Ritver PU Base coat Clear** 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. In case of stains to be used do note the compatibility with stains.

Exclusions for successful application include perpetually wet surfaces and also large cavities on wooden surfaces.

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 applied with even airless or air-mix spray guns.

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

Subsequent treatments: After drying this product does not need any subsequent treatments. Apply to the desired thickness without sanding.

It is not advisable to apply NC top coat to a base coat of PU for obvious reasons of compatibility and life of the coating.

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.

STORAGE AND 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.

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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.