



The Ultimate Protective Solution

SP UREQUA 650

TECHNICAL DATA

A single pack force drying water thinnable Aliphatic **Polyurethane finish paint** for out-door durability.

INTEDED USES

This eco-friendly product is recommended for excellent out-door durability & resistance to atmospheric exposure conditions. This finish paint is used in Automobiles & Locomotives, OEM's, Power industry, Architectual applications, Furniture industry, Special Purpose Machinerics etc.

It has special features like colour retention, gloss retention, non-yellowing, non-chalking, non-fading etc. with excellent protection against corrosion. It possesses mechanical properties like very good hardness, flexibility, adhesion, abrasion resistance, impact resistance etc. It is well known for its excellent weather resistance & U.V. resistance.

PHYSICAL PROPERTIES

Colour	: Limited range
Finish	: Smooth & Glossy
% Solids by Volume	: 35 ± 2 %
Flash Point	: Above 25 ^o C
Thinner intake	: 5 to 10 %
Recommended D.F.T.	: 30-35 µm per coat.
Baking schedule	: 100 deg. C for 20 minutes Complete Cure: 7 days (for chemical testing)
Over coating Interval	: 3 to 5 hrs.
Recommended Thinner	: Water for thinning & equipment cleaning
Shelf life	: 6 months (Individual sealed components under normal storage condition)
Theoretical Coverage	: 10m ² /litre on smooth & non-absorbent surface @ recomd. DFT
Application method	: By conventional Spray / Airless spray / Brush
Compatibility	: Compatible with Epoxy / Polyurethane undercoats or topcoats.

SURFACE PREPARATION :

Prepare the primered surface by sanding with the suitable emery paper for better inter-coat adhesion with finish paint. (If primer has been cured for more than 24 hrs.)

APPLICATION CONDITIONS :

This product should preferably be applied at temperatures in excess of 10^o C. In conditions of high relative humidity i.e. 80-85% good ventilation conditions are essential. Substrate temperature should be at least 5^oC & above the dew point. This product can be over coated after 3-4 hrs.

The maximum air and substrate temperature for application is 50°C providing conditions allow satisfactory application & film formation. If the air & substrate temperature exceed 50°C & this coatings are applied under these conditions, paint film defects such as dry-spray, bubbles & pinholes etc. can occur within the coating.

Application at ambient air temperatures below 5°C is not recommended. Do not apply when relative humidity rises above 90%. Do not apply during rain, fog or mist. Such conditions do not permit adhesion of coating with the substrate. **(For details please refer our painting procedure.)**

ADDITIONAL NOTES :

Drying times, curing times and pot life should be considered as a guide only.

The curing reaction of this product commences immediately the two components are mixed, and since the reaction is dependent on the atmospheric **temperature**.

Numerical values quoted for physical data vary slightly from batch to batch & against the temperature.

SAFETY PRECAUTIONS :

While applying this product in closed structures, arrangements for adequate ventilation must be ensured. Smoking and naked lights should not be permitted. Mask should be worn when spraying. To avoid skin contamination use barrier cream or disposable gloves. Wash hands and face regularly with hot water and soap. Brushes & equipment should be cleaned with recommended thinner immediately after use.

DISCLAIMER : The information in this data sheet is given to the best of our knowledge based on laboratory testing & practical experience. It is the user's responsibility to conduct all necessary trials & tests to confirm the suitability of any product or system to their intended use. Our all recommendations or suggestions whether in technical documentations in writing or verbal are given in good faith but without any type of warranty or liability on us. We have no control over either the quality or condition of the substrate, or the factors affecting the use & applications of the product. Therefore we do not accept any liability arising from loss, injury or damage resulting from such uses.



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