SP PUBOND 908

TECHNICAL DATA

A two pack High-solid / high-build Acrylic Aliphatic **Polyurethane finish paint** for high performance & long term out-door durability.

INTEDED USES

This high performance 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, ships, Architectual applications, Furniture industry, Process Industry, Marine structures & bridges, Glass industry, Special Purpose Machineries etc.

It has special features like colour retention, gloss retention, non-yellowing, non-chalking, non-fading etc. with excellent protection against aggressive corrosion, chemicals, solvents, alkalies, industrial oils, water, high humidity. 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. It can be recoated even after long atmospheric exposure.

PHYSICAL PROPERTIES

Colour	: Full range
Finish	: Smooth & Glossy / Semi-glossy / Matt
% Solids by Volume	: 65 ± 2 %
Flash Point	: Above 25^0 C
Mixing ratio (Base : Hardener)	: 3:1 by Volume
Thinner intake	: 5 %
Maturation time	: Allow the mixed material for 10-15 minutes before use.
Recommended D.F.T.	: 50-75 µm per coat.
Drying time @ 30^oC & at recommended D.F.T.	: a) Surface Dry : 20-30 minutes b) Hard dry : 10 -12 hrs. c) Complete Cure: 7 days (for chemical testing)
Over coating Interval	: 3 to 24 hrs. @ 30^0C
Recommended Thinner	: T-2000 for thinning & equipment cleaning
Pot Life	: 4 – 5 hrs. @ 30^0C
Shelf life	: 12 months (Individual sealed components under normal storage condition)
Theoretical Coverage	: 13 M^2/litre on smooth & non-absorbent surface @ 50 microns
Application method	: By 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 EQUIPMENTS :

AIR SPRAY

Nozzle Size : 1.8 – 2.2 mm
Operating Pressure : 4-5 kg/cm^2 (50- 80 psi)

AIRLESS SPRAY

Nozzle Size : 0.38 – 0.48 mm
Operating Pressure : 115 kg/cm^2 (1600 psi)

The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomization. As conditions will vary from job to job it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results.

APPLICATION CONDITIONS :

This product should preferably be applied at temperatures in excess of 10^0 C. In conditions of high relative humidity i.e. 80-85% good ventilation conditions are essential. Substrate temperature should be at least 5^{0}C & above the dew point. This product can be over coated after 3-4 hrs.

The maximum air and substrate temperature for application is 50^{0}C providing conditions allow satisfactory application & film formation. If the air & substrate temperature exceed 50^{0}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^{o}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.)**

POT LIFE OF MIXED MATERIAL :

At the time of mixing the material, if the temperature exceed of 35^{0}C the pot life will be approximately halved. Use of this product outside of the pot life may result in inferior adhesion properties even if the material appears fit for application. Thinning the mixed product will not alleviate this problem.

Thinner should be added after mixing the Base & Hardner in recommended mixing ratio by volume.

RESISTANCE GUIDE (With Suitable primer) :

EXPOSURES	SPLASH & SPILLAGE	FUMES & OUTDOOR EXPOSURE
Acids	Good	Good
Alkalis	Very Good	Very Good
Solvents	Very Good	Excellent
Salt	Very Good	Excellent
Water	Excellent	Excellent
Industrial Oils	Excellent	Excellent

Temperature Resistance : Intermittent 120 ^{o}C & Continues 90 ^{o}C

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.

Immediately close the partly used Hardner container, it is very sensitive to atmospheric moisture.

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.

The Ultimate Protective Solution

SWARAJ POLYCOATS

B – 53, STICE, Musalgaon, Tal- Sinnar, Dist- Nashik – 422103, Maharashtra, INDIA.
Telefax : +91-2551-240182. E-mail : swaraj.polycoats@gmail.com
ISO 9001:2008 Company