

PU – 501

TWO COMPONENT, POLYURETHANE WATERPROOF + WEATHERPROOF COATING

DESCRIPTION:

PU-501 has been specially formulated with the latest polyurethane technology. It is a two component product, comprising of resin and hardener. It is ideally suited for new and maintenance work and for substrates like concrete, cementitious surfaces, asbestos/GI Sheets, M.S. and all metals.

ADVANTAGES:

- ✓ Easy to use as only mixing is required.
- ✓ It is highly flexible and can easily withstand normal expansion/contraction of surfaces
- ✓ Formulated with latest polyurethane technology, thus provides excellent abrasion resistance and weathering hydrolysis
- ✓ Excellent adhesion to almost all surfaces including concrete and metals

AREAS OF APPLICATION:

PU-501 is suitable for substrates which require long term protective coatings. It is used on all types of substrates including concrete and metal. It can also be used on asbestos and corrugated GI sheets, inverted roofing systems, dome type structures, chimneys, precast slabs and blocks, water retaining structures, sewage tanks and molasses tanks. It can also be used as a anti-corrosive coating for metal structures.

SPECIFICATIONS:

Base	Polyurethane
Colour	White & Selective Shades
Appearance	Semi-Viscous Liquid
System	2 Component (4:1 Resin: Hardener by volume)
Potlife @ 30° C	6-8 Hours
Finish	Smooth
Drying Time:	
Surface Dry	1-2 Hours
Hard Dry	6-8 Hours
Recommended Coats	2
Coverage	65-70 sq.ft./litre/coat on non-porous surface
Resistance to Heat	100°C - 120°C.
Cold Resistance	Sub Zero Temp.

Elongation	<75%
Flash Point	Above 30° C.

PREPARATION:

Clean all foreign matter such as dirt, dust; grease, laitance, mortar dropping, loose and flaking materials. Moss and fungus must be removed using suitable fungicide solution or bleach or dilute HCL solution, thereafter wash thoroughly. Necessary repairs of defects must be carried out prior to coating like crazed, unstable or hollow surfaces, major cracks, any protrusions, outlets, construction joints etc. For cracks and joints, use appropriate sealant. All surfaces to be treated must be properly prepared, sound clean, dry and fully cured and ready. New concrete needs to be cured thoroughly for 28 days prior to coating. For coating on metals, please consult our engineers for preparation of surface and suitable primer to be applied.

METHOD OF APPLICATION:

No primer required unless otherwise recommended for areas which cannot be prepared. Mix thoroughly the Resin and Hardener as supplied before use. Improper mixing will result in systems failure. Due to limited pot life of 6-8 hours, mix enough quantities that can be used within that period. **PU-501** can be applied by brush or roller or airless spraying equipment. Apply first coat on prepared surface. Apply second coat within 6-8 hours at right angle to the first coat. Inter coating interval should not be more than 8 hours. Finishing **PU-501** should simultaneously be applied to all openings, protrusions, outlets, parapet walls, copings, gutter valleys and expansion joints, forming a good seamless water tight finish. Treated surface should be allowed to cure for minimum 72 hours.

CLEANING OF TOOLS:

All tools, equipments, hands can be cleaned with solvents like Xylene, Toluene etc.

SAFETY PRECAUTIONS:

Keep away from naked flames/lights. Do not smoke near application area. Protective gear such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not encourage vomiting, but call for immediate medical assistance. Ensure that the container is available for medical attendant to examine any relevant instructions and content details

PACKING:

Available in 4 & 20 Litres.

WARRANTY CLAUSE: The product incorporated and sold is without Warranty expressed or implied, including warranty of Merchantability and fitness for use of this material and upon condition that purchaser shall make the own test to determine the suitability and quality of such products for their particular purpose. The user assumes all risks of use and handling, whether or not in accordance with any statement of the supplier. Supplier's liability if any, for any action arising out of the material being supplied shall be limited to only replacement of material.