



KAMSONS CHEMICALS PVT. LTD.

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PU WALLGAURD (Hygiene Wall Coating)

Single component Aqueous Polyurethane Paint (PU Paint)

PU WALLGAURD is based on Aliphatic resins and exhibits enhanced resistance to U.V. without cracking, peeling or turning yellow. It is further cross linked and has good resistance to alkalis and mild acids and solvents. **PU WALLGAURD** has an extremely low water vapour absorption unlike acrylics and it does not turn soft even under prolonged immersion in water and at the same time has excellent breath ability due to reverse osmosis allowing water trapped in the substrate to evaporate. It is single pack, very economical, having excellent water resistance, weathering resistance, extra ordinary adhesiveness, fast drying and very good breathing properties.

Base appearance	: Single component Aliphatic Aqueous Polyurethane resin Based paint
Colour	: White or pigmented as per requirement
Consistency of pigmented	: Paste like thixotropic.
Solid Content	: 50 % \pm 1
Cured film	: Flexible, elastic, tough.
Touch dry	: Approx. 1 ½ hour
Hardening time	: Approx. 48 hours.
Flash point	: Non inflammable.
Storage	: Not below 5 deg. C., protect from high temperature,
Shelf Life	: 18 months from the date of manufacturing
Chemical resistance	: Good.
Insulation properties	: Good.
Roof proofing	: Excellent.
Solar reflection	: Excellent.
Water impermeability	: Excellent.

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ADVANTAGES

- Life and durability of the structure is increased.
- Non-yellowing and Anti-fungal.
- Easy application, no machinery required.
- Provides seamless and joint free seal throughout the surface, which is impervious to water.
- Lower labour cost due to easy, simple and quick application.
- Excellent bonding to most building materials.
- As the system is a water based system it is non-hazardous as compared to solvent based systems and can be used for laying of clean rooms.
- As the molecule size is 0.010 microns it has excellent penetration and sealing capacity and can be used on the base plaster against efflorescence before putty and paint.

SURFACE PREPARATION : Surface should be free of dust and loose particles. It should be thoroughly abraded by a wire brush and loose particles should be removed by washing or air blown. The surface should be free of any oil or grease. It can be applied on damp and moist surface also.

SPECIAL INSTRUCTION : Stir the contents of the drum containing the material thoroughly to disperse settled material if any.

COVERAGE : Coverage depends upon the nature of the surface to be applied. But an average, smooth surface will give approx. 80 to 100 sq.ft per coat.

SAFETY : **Non hazardous. If ingested, seek medical help immediately.**

PACKING : **PU WALLGAURD** is available in 20 kgs. & 200 kgs. plastic drums.

NOTE : All information is given in good faith based on the results gained from experience and tests. However all recommendations or suggestions are made without guarantee since we do not have any control on the site conditions and its uses.