



# KISTOP PU

## Potable Water Approved Polyurethane Protective Top-Coat

### DESCRIPTION

KISTOP PU is a long-lasting protective solution for fresh water and drinking water tanks and has been certified by the Tests of "suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water" SS 375 standard. It is also suitable for other tanks and dry spaces. KISTOP PU is applied easily and effectively by airless spray or it can be applied by brush or roller. It is surface dry in 3-6 hours and can be open to traffic after 24 hours.

### RECOMMENDED USE

- Roofs surface
- Potable water and drinking water tanks
- Metal and concrete structures in contact with potable water
- Factories for food processing
- Toilets
- Other tanks and dry spaces
- Used over the KTOP system

### ADVANTAGES

- Simple application (roller or airless spray).
- Increases the abrasion and wear resistance of the waterproofing membrane underneath.
- Improves UV stability.
- Does not show the chalking effect of aromatic polyurethane coatings.
- Compliant to SS375 for potable water use
- The waterproofed surface can be walked on (domestic pedestrian traffic).

### PACKAGING

KISTOP PU is supplied in 5-litre per pail

### APPLICATION GUIDELINES

#### a) Surface Preparation

- Receiving surface shall be relatively clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane.
- Maximum moisture content should not exceed 5%.
- Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa.
- New concrete structures need to dry for at least 28 days.
- Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine.



- Possible surface irregularities need to be smoothed, any loose surface pieces and grinding dust need to be thoroughly removed.
- DO NOT wash surface with water.

#### b) Application – Top Coat

- Stir materials well before using.
- Apply the KISTOP PU by roller or airless spray in one or two layers.
- Allow 3 – 6 hours (not more than 36 hours) to cure, between the two layers.
- For best result, the temperature during application and cure should be between 5°C and 35°C. Low temperature retard cure while high temperature speeds up curing. High humidity may affect the final finish.

#### **LIMITATION**

- KISTOP PU cannot be used as a non-yellowing protective coat for epoxy systems in exposed area. It is also not designed to be applied directly onto tiles or marble surface.

#### **COVERAGE**

- Approximately 6-8m<sup>2</sup>/L in one layer.  
This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.
- 5L can cover approximately 30 - 40 square meter.

*\*(Coverage may vary with surface and other site conditions)*

#### **STORAGE**

KISTOP PU should be stored in tightly sealed original packing at room temperature up to 12 months from date of manufacturing.

#### **HEALTH & SAFETY**

Refer to SDS for further information.



## **TECHNICAL PROPERTIES**

<b>KISTOP PU</b>	
Colour	Transparent
Drying Time (Conditions: 20°C, 50% RH)	3-6 hours
Tack free time (Conditions: 20°C, 50% RH)	1 – 3 hours
Light pedestrian traffic time (Conditions: 20°C, 50% RH)	24 hours
Potable water test (SS375)	Passed
Chemical properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.

### **IMPORTANT NOTES**

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/or suggestions made by the company representatives, agents and/or distributors.

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