

# BRITEX® PU 100

Moisture Cured PU Top Coat

## Description

**BRITEX® PU 100** is a single component moisture cured, polyurethane top coat providing superior bonding, flexibility and corrosion / abrasion resistance fungal and anti-root formation.

Specially used for waterproofing of rooftop, terrace and exterior concrete surfaces. With the high bonding strength and resistance to extreme UV it shows excellent results on applied surfaces.

## Characteristics Physical

Colour	White	Density, gm / cc	1.25 ± 0.05
Application	Spray/ Brush/Roller.	Sagging @ 100 micron	No
Cure time @ 24 OC, 60% RH	1 3 – 4 24 1 - 2	Theoretical coverage*, m2 / Kg, 800 Micron DFT	1.5 – 1.8
• Tack free time, hr.		Recommended thickness*, DFT, mm	1
• Recoat ability time, hr.		Flash Point, COC, °C	35
• Handle time, hr.			
• Full cure, days			

\* Depending upon surface condition

## Characteristics Technical

Property	Method	Result
Volume Solid, %	ASTM D 2369	90± 2
Spray, 5000 hr.	ASTM B 117	Pass
Flexibility, %	ASTM D 522	> 90
Adhesion pull off on concrete, MPa	ASTM D 4541	> 2.5
Elasticity, %	ASTM D 412	> 450
Accelerated Weathering test	ASTM 4587	Passes
Shore A hardness	ASTM D 2240	55 - 60
Abrasion resistance, 1000 RPM, CS 17, 1 Kg load, gm.	ASTM D 4060	0.15
Direct impact test	ASTM D 2794	150 kg-cm

## Application

- Exterior Roof Coating.
- Concrete and cement surfaces.

## Advantages

- Compatible with most old coatings.
- Does not require any Induction time.
- Resistant to majority of chemicals.
- Abrasion resistant.

## Application Methodology

### ➤ Surface Preparation

- **BRITEX® PU 100** is applied over prepared sound and clean surface.
- **BRITEX® PU 100** is applied as top coat, if required use **CEYMCO PRIME INJECTION** as primer coat.

### ➤ Material Preparation

- Stir **BRITEX® PU 100** by a slow speed mixture fitted with a suitable mixing paddle to ensure a homogenous mix.

- ☐ After stirring, wait for the product to settle in order to let entrapped air escape.

#### ➤ **Application of Material**

- If required apply **CEYMCO PRIME INJECTION** as a primer coat on the surface in necessary area only.
- Apply prepared **BRITEX® PU 100** over primed surface by single component airless spray gun / brush / roller.
- Allow it to dry for 6 – 8 hrs. for subsequent coating.

#### **Cleaning & Maintenance**

Clean all tools immediately after use with NC Thinner.

#### **Health & Safety**

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

#### **Packing**

Available in: 20Kg - Water base / 25Kg - Solvent base

#### **Storage**

Store in a cool dry place, under shed, away from heat.

#### **Shelf Life**

24 months in original unopened sealed condition.



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