Polyglaze®
PZ 1000 WPS

PRODUCT DESCRIPTION

Polyglaze PZ 1000 WPS is a single component, high polymer based liquid primer formulated to use on mild steel, iron bar/sheets, POP, and other non absorbent surfaces. It contains fine additives and bonding agents for improved surface preparation before further coating.

AREAS OF APPLICATION

- Mild steel
- Iron bars and sheets
- MS sheets
- Waterproof plywood board of exterior grade
- Concrete surfaces
- POP
- Other non-absorbent surfaces

ADVANTAGES

- Ready to use; can be mixed with silica sand if needed
- Easy to apply with a standard paint brush
- Being polymer modified, it is flexible and offers crack bridging ability up to 2 mm
- Improves adhesion of subsequent coatings on difficult surfaces

APPLICATION METHODOLOGY

Surface Preparation

- Ensure all surfaces are levelled, clean, structurally sound and free from dirt, oil, grease, paint, concrete sealers, loose particles, etc

Mixing / Application

- No dilution is required
- Apply two coats of Polyglaze PZ 1000 WPS directly without dilution using a paint brush
- Maintain a minimum of 4 hours drying time between the coats
- Apply the second coat in the opposite direction to the first coat
- If coating thickness exceeds 1 mm, add 10% silica sand/ quartz to both coats, use sand with particle size between 0.6 to 0.8 mm for best results
- After natural drying for 24 hours, proceed with subsequent application

PACKAGING

- Polyglaze PZ 1000 WPS is available in 1kg, 5kg bottles and 25kg cans

STORAGE & SHELF LIFE

- Store in a dry place away from moisture and sunlight
- Best before 12 months from the manufacturing date in original sealed condition

PRECAUTIONS & LIMITATIONS

- When using an electrical mixer, avoid high speed mixing to prevent air entrapment
- Do not use black hair bristle paint brushes as they may shed and affect the finish
- For best results, protect the applied primer from the dust and moisture during drying

TECHNICAL DATA SHEET

PHYSICAL PROPERTIES

Physical Appearance	Milky White Liquid
pH	8 -10
Viscosity at 27°C	1000 - 4000 mps
Application Temperature	8°C to 40°C
Touch Dry Time	Approx. 45 - 55 Minutes
Re-Coat Time	5 - 6 Hours
Full Cure	7 Days

PERFORMANCE PROPERTIES

PROPERTIES	STANDARD	PZ 1000 WPS
Pull Off Strength On Concrete @ 28 Days	ASTM D 7234	> 1.5 mpa
Elongation at Break %	ASTM D 412	> 350 %
Tensile Strength @ 7 Days	ASTM D 412 : 2016	> 1.5 N/mm^2
Water Vapour Permeability	EN 12390-8-2019	> 8 g/m^2/day
Crack Bridging Ability	ASTM C 836	Upto 2 mm

COVERAGE

45 - 50 Sqft / kg for 2 coats

- ◆ Recommended thickness per layer is 0.6 mm
- ◆ Coverage depends on the weather conditions, smoothness of the surface and application method.
- ◆ The above test results were achieved under Standard Laboratory Conditions at Temp: 27 ± 2° C & Rh: 65 ± 5%.

HEALTH & SAFETY

- ◆ Use a respiratory mask and protective gloves during application.
- ◆ Clean hands with soap and water after application.
- ◆ Avoid contact with skin / eyes. In case of unlikely contact, rinse eyes immediately with plenty of clean water and cleanse skin with soap and lukewarm water. Seek medical advice if irritation occurs / persists.
- ◆ In case of unlikely swallowing, seek medical attention immediately.

Disclaimer:

The information in this TDS is for general guidance only. Specific advice for site conditions is available upon request. Details provided by the company are in good faith, when product is properly stored, handled, and applied under normal conditions. The site conditions, material compatibility, and workmanship are beyond our control, no warranties expressed or implied are given. The company accepts no liability for unsatisfactory results or consequential damages arising from product use.

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