

PU AQUEUX - R

Solvent-free, one-component adhesion primer for SOUPLETHANE liquid sealing systems. It superficially hardens the concrete, penetrates the pores of the substrate to prevent any degassing and reinforces the adhesion of a coating to a concrete substrate

AREAS OF APPLICATION

PU AQUEUX - R is used as a primer on new or old concrete substrates before the application of SOUPLETHANE waterproofing. It is also used as a primer, dust protection or waterproofing for metal and wood surfaces.

BENEFITS

- Strong adhesion to concrete, wood or metal surfaces.
- 100% dry extract, solvent-free, BPA-free and endocrine disruptors.
- Suitable for confined environments, odourless or free of volatile organic compounds (VOCs).
- Fast commissioning
- High resistance to many chemical agents, atmospheric conditions, humidity and water.
- No chemical attack (saponification) of the concrete in the long term
- Short drying time.

PROPERTIES

Dry Extract (by mass)	100% (ISO 1515)
Flash Point Component A	>150 °C
Viscosity	185 mPa.s (25°C)
Density	1.17 kg/L (25°C)
Colour	Clear amber liquid
Adhesion to concrete	> 4 MPa depending on the quality of the concrete (NF EN ISO 1542)
Adhesion to metals	> 7.5 MPa (NF EN ISO 1542)
Contrainte max (σ)	20 MPa (NF EN ISO 527-3)
Elastic modulus (E)	65 MPa (NF EN ISO 527-3)
Elongation	20% (NF EN ISO 527-3)
Withdrawal	0%
Temperature resistance	-20°C to 120°C
Hardness Shore A/D (at 14 days)	98 (A), 70 (D)

Chemical resistance (1 < pH < 13)

COMPOSITION OF THE KIT/ PACKAGING

Liquid Single-Component	Jerrycans	5 L (5.85 kg)
		10 L (11.7 kg)
		25 L (29.25 kg)
	Barrels	225 kg

PREPARATION OF THE SUBSTRATE

- The substrate must be clean, dry, healthy, free of oils, greases, dust and non-adherent particles.
- Check the humidity of the substrate (< 4%), the relative humidity (< 85%).
- If the moisture content of the substrate is > 4%, use KEMIPOX primer instead to block rising moisture.
- The substrate should be +3°C above the dew point to prevent condensation.
- Media temperature: 0°C to 50°C.
- Before application, the resin should be stored between 10 and 25 °C. If not, reheat it or let it cool to around 25°C.
- Improper handling of substrate defects reduces the durability of the coating.

PRODUCT PREPARATION

- Substrates should not be subjected to capillary rise during application and curing.
- There is no need to mix the product before use.
- Pour the amount necessary for your needs into a clean bucket and then close the jerrycan to prevent moisture from getting wet and better preservation.
- Product contaminated with tools or poured into another container cannot be stored.

APPLICATION

- The product is applied with a roller, brush or a smooth squeegee.
- Spread/scrape the product well to have a thin film, The thickness of the film should not exceed 100µm.
- Curing times vary with temperature and humidity.

Consumption	150 g/m2		
Practical Duration of Use (DPU)	+10°C	+20°C	+30°C
	20 min	15 min	10 min
Breakdown time (20°C) On metal	Minimum	Maximum	
	30 min.	3 hours	
Breakdown time (20°C) On concrete	Minimum	Maximum	
	1h	168h	
Touché sec (20°C)	1h30		
Commissioning	2 hours		
Definitive curing	7 Days		

ADDITIONAL REMARKS

- Storage is for up to 12 months from the date of manufacture and in the original unopened packaging, under cover between °C 10°C – 30°C.
- Clean tools with acetone or MEK after use. Once cured, the product cannot be mechanically cleaned.
- UV exposure may alter color or appearance without affecting mechanical performance.