

## Two Component Slip-Resistant Polyurea Based Liquid

English Technical Document

**DEFINITION**

It is formulated from two component polyurea and polyurethane based resins. It is an easy-to-apply, self-priming product with high flexibility and very good adhesion strength.

**DESCRIPTION**

**PUR-194:** Apply the first coat with a consumption of 0.700 gr/m<sup>2</sup> per square meter on each layer and leave it to ashen for 24 hours and apply the first coat with a consumption of 0.700 gr/m<sup>2</sup> on the second layer. If the application area is deemed necessary, apply a third coat. Parapet walls should be applied at a height of at least 20 cm from the ground.

**AREAS OF USE**

- Terraces and rooftops,
- Gutters,
- Swimming pools,
- Ornamental ponds,
- Wet floors,
- Green roofs,
- Balconies,
- Bridges and viaducts,
- Protection of the concrete bastion,
- Insulation of curtain walls

**BENEFITS**

- It is easy and quick to apply because it is two-component.
- Can be applied with a brush or roller.
- High elasticity and flexibility.
- Solvent free.
- Excellent adhesion to concrete.
- Excellent mechanical properties.
- Provides 100% adherence to the floor.
- Resistant to ponding on the terrace.
- Up to 400% flexibility,
- Ability to apply without joins,
- Resistant to certain chemicals,
- Excellent subsoil resistance,
- Possibility of application on any surface,

**APPLICATION**

Cement and concrete surfaces must be dry and free from dust, dirt, grease, oil and weak particles. Before application, it is recommended to shave the concrete with blastac floor strippers. Since the polyurethane is in liquid form, it will be applied to the surfaces by roller, brush or airless machines, so for better adhesion to the floors, especially the concretes should have completed the 28-day curing period. Concretes should have a minimum compressive strength of 25 MPa, a minimum tensile strength of 1.5 N/mm<sup>2</sup> and a maximum surface moisture content of 5%.

**PUR-160 series product or the same product** is applied to the prepared surfaces **by priming, provided that it is applied very thinly**. Afterwards, the cracks on the floor surfaces are repaired and filled with polyurethane sealants.

PUR-194 insulation membrane should be applied to the surfaces prepared in this way in at least two layers, 700 g per layer.

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## TECHNICAL PROPERTIES

Description	Method	Unit	Value
Material	-	-	Component A PUR 194 (Prepolymer) Component B Polyol (Accelerating Resin)
Viscosity A	(23°C and above)	mPa	650-750
Viscosity B	(23°C and above)	mPa	350-400
Density A	(23°C and above)	gr/ml	1.10 ±0.05
Density B	(23°C and above)	gr/ml	1.00 ±0.05
Color	-	-	Gray
Solid content	-	-	95%
Adhesion time	EN 1542	N/mm <sup>2</sup>	5-10
Rigidity	DIN 53505	shore A	70-80
Elongation at break	DIN 53504	%	400-500
Tensile Strength	DIN53515	N/mm <sup>2</sup>	40-60
Tensile Strength	DIN53515	N/mm <sup>2</sup>	20-25
Water Vapor Permeability	EN ISO 7783- 1	m	Sd: 1.60 m
Moisture Tolerance	-	%	Max. 4
Through-dry time	(23°C and above)	hour	12-24
Through-Dry Time	(23°C and above)	day	2

## PACKAGING

**Packaging Metal Tins:** 12.5 Kg

The package should be stored in a dry place at 5 °C / 30 °C. Use as soon as possible after unpacking the product.

**Shelf Life:** 2 year.

## HEALTH AND SAFETY

Request and read the Safety Data Sheet (MSDS) for application and usage details before purchase. Eye protection, gloves, clothing and mask must always be worn during work.

## DISPOSAL

Small amounts of cured product residues can be disposed of as normal household waste. Disposal of uncured product components must be carried out in accordance with local regulations. Empty drums should be emptied of liquids by cutting a hole in the side of the lid and turning it upside down until the liquid no longer flows.