



PRIMER 21

ONE COMPONENT POLYURETHANE PRIMER

GENERAL DESCRIPTION

ESHAPRIMER 21 is a high grade one component polyurethane based protective varnish. It is also used as primer for better adhesion of joint sealants.

It shows excellent adhesion properties to porous construction materials. When cured produces a uniform, hard and elastic film.

ESHAPRIMER 21 is based on polyurethane elastomers. It contains toluene.

USES

ESHAPRIMER 21 is recommended:

- As primer of joint sealants, prior to sealant application for better adhesion of polyurethane and acrylic based sealants.
- As a primer for polyurethane, acrylic, hybrid, epoxy coatings
- Protection of metal surfaces against corrosion
- Protection and priming of porous concrete, wood, plaster surfaces
- Concrete sealing

It is not recommended for unsound substrates.

INSTRUCTION FOR USE

Weather conditions

Avoid rainy weather and temperatures below 5 °C.

Surface Preparation

- Surfaces should be dry, dust free clean from oils and foreign matter.
- New concrete structures need to dry for at least 28 days and surface irregularities need to be smoothed with a grinding machine.

Application

ESHAPRIMER 21 is applied by brush , roller or spray gun. For very porous substrates the application of at least two successive layers is recommended when **ESHAPRIMER 21** is used for protection. Successive layers are applied each across to the previous one, and when the latter is dry , within a time interval not exceeding 20 hours.

In case of sealing expansion joints, **ESHAPRIMER 21** is applied as primer at least 1 hour , but not later than 4 hours before application of sealant.





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Consumption

The consumption of **ESHAPRIMER 21** is 100gr/m² - 300 gr/m² per single layer depending on surface porosity.

For 3 cm wide expansion joint an indicative consumption is 1kg of **ESHAPRIMER 21** per 60 m of joint.

Curing Time

12 h depending on environmental temperature and humidity conditions.
Tack free time is 2-4 h.

Cleaning of tools

Tools cleaning is made with aromatic solvents when still wet. Mechanical cleaning is required when the material is cured.

TECHNICAL CHARACTERISTICS

TECHNICAL CHARACTERISTICS	PERFORMANCE	TEST SPECIFICATION	UNIT
Appearance	Clear Liquid	Observation	hrs
Color	Yellowish	Observation	--
Density	0.95 ± 0.05	ASTM D 1475	g/cm ³
Viscosity (Brookfield) at 25°C	110	ASTM D 2196-86	cPs
Tack free time at 25°C	< 4	Observation (depends on weather condition)	h
Flash Point	< 28	ASTM D 93 (Closed cup)	°C

PRECAUTIONS

- Vapor inhalation must be avoided. Contains isocyanates.
- Ventilate well during application-use respiratory mask if application is to be performed with spray gun.
- Use respiratory equipment in poorly ventilated areas
- Contains inflammable solvents (toluene). Avoid naked flame or sources of ignition.
- Wear gloves & eye protection during application.
- In case of skin contact wash with plenty soap & water immediately.
- Take precautionary measures against electrostatic discharges.
- For professional use only.

For analytical information please refer to the material's MSDS

The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.

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PACKAGING

In metallic pails of 1 Kg and 17 Kg.

SELF - LIFE / STORAGE

ESHAPRIMER 21 can be kept for minimum 12 months in the original sealed metallic pails at a temperature of 5 °C to 25°C.

Store in a dry protected environment. Do not expose to heat sources.



EN ISO 9001:2008



EN ISO 14001:2004

