

ESHAPRIMER 21

One component polyurethane primer



GENERAL DESCRIPTION

ESHAPRIMER 21 is a single-component polyurethane protective varnish. Its special formulation is designed to enhance the adhesion of polymeric sealants to all porous substrates. It is also used prior to the application of **ESHATAPE** bituminous tapes to enhance their adhesive properties.

After polymerization, **ESHAPRIMER 21** forms a uniform, hard, and elastic film.

USES

ESHAPRIMER 21 is recommended for:

- As primer of joint sealants, prior to sealant application for better adhesion of polyurethane, acrylic and hybrid 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
- To enhance the adhesive properties of bituminous tapes **ESHATAPE**.

INSTRUCTION FOR USE

Weather conditions

Avoid rainy weather and temperatures below 5 °C.

Surface preparation

Surfaces should be regular, dry, dust free, clean from rust, foreign matter and loose materials. The use of compressed air is recommended. Structures made of fresh concrete should be allowed to dry for at least 28 days. Any irregularities should be smoothed out using a special machine.

CHARACTERISTICS/ADVANTAGES

- ▶ Ready-to-use – single-component
- ▶ Excellent adhesion to porous substrates
- ▶ Hard and flexible protective coating.
- ▶ Compatible with polyurethane, acrylic, hybrid, and epoxy systems.
- ▶ Corrosion protection for metal surfaces.
- ▶ Suitable for concrete, wood, and plaster.
- ▶ Increases the reliability and service life

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since 1962

POLYMER COATINGS PRIMERS

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Application

ESHAPRIMER 21 is applied cold 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.

CLEANING OF TOOLS

Tools and soiled surfaces can be cleaned with aromatic solvents while the material is still wet, and by mechanical means once it has dried.

PACKING

In pails of 1Lt and 17 Lt.

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.

PRECAUTIONS

Danger. Liquid and vapors are highly flammable. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergies or asthma symptoms or shortness of breath if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of causing harm to the fetus. May cause irritation of the respiratory tract. May cause drowsiness or dizziness. May cause organ damage following prolonged or repeated exposure. May cause death if swallowed and enters the respiratory tract. Keep out of reach of children. Be sure to read the specific instructions before use. Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. Do not smoke. Contaminated work clothes must not be removed from the workplace. Wear protective gloves, protective clothing/personal protective equipment for the eyes, face, and ears. [In case of inadequate ventilation] use personal respiratory protection. IN CASE OF INGESTION: Immediately call a POISON CONTROL CENTER or a doctor. IF INHALED: Move the affected person to fresh air and have them rest in a position that facilitates breathing. Store in a well-ventilated area. Keep the container tightly closed. Dispose of the contents/container in accordance with local/regional/national/international regulations. Contains: 2,3-diisocyanatodicyclo[4.1.0]hepta-1(6),2,4-triene; ethane-1,2-diamine; 2-methyloxirane, propan-1,2-diol, toluene, diphenylmethane diisocyanate isomers and homologs, 4,4'-methylenediphenyl diisocyanate, Naphthalene (petroleum) solvent, middle aliphatic fraction, 2,4'-diphenylmethane diisocyanate, 2,2'-methylenediphenyl diisocyanate ester.

Today, Esha is the No. 1 producer of bituminous waterproofing membranes in Greece, while also offering more than 500 specialized products (emulsions and solutions for surface protection and waterproofing, joint sealing materials, acrylics, epoxies, polyurethanes, polysulfides, modified road asphalt (elastomers, plastomers, recycled tires), asphalt road emulsions, asphalt bridge waterproofing materials, polyurethane thermal insulation boards, etc.).



See the products
and their applications
on our new website
www.esha.gr

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European Emergency Tel.: 112

Contains isocyanates. May cause an allergic reaction. After August 24, 2023, adequate training is required prior to any industrial or professional use.

UFI: 4300-R0XT-600U-GETT

For more information please ask the material's MSDS from Esha sales dept.

TECHNICAL CHARACTERISTICS

PROPERTIES	T	NOMINAL VALUES	UNIT	TEST METHOD
Appearance	(-)	Clear Liquid	(-)	Observation
Color	(-)	Yellowish	(-)	Observation
Density	±0.05	0.95	g/cm ³	ASTM D 1475
Viscosity at 25°C	(-)	110	sec	ASTM D 2196-86
Flash Point	≤	21	(-)	ASTM D 93 (Closed cup)
Tack free time at 25°C	≤	2	%	-

Fluctuations in nominal values are in accordance with the relevant standards. The manufacturer reserves the right to modify the properties of its products. Esha provides information and, in particular, recommendations regarding the application and end use of its products based on its current knowledge and experience, when the products are stored, used, and applied under normal conditions. In practice, there are variations in substrates and local application conditions, so Esha cannot guarantee the success of the application of any material. It is recommended that the user test the application of the material under the local application conditions.