



FUTURPROTECT-ADY

ALIPHATIC SOLVENT BASE POLYURETHANE COATING BRILL FINISH

Aliphatic solvent-based polyurethane coating for the treatment, decoration and protection of floors with a glossy finish. One-component product that dries due to environmental humidity, forming a hard, strong, continuous film, with excellent mechanical and adhesion properties that make it resistant to weather, extreme temperatures, and UV rays. and chemical agents.

PROPERTIES

Easy and quick application.

Fast curing.

Glossy finish.

100% aliphatic product: Does not yellow, does not change tone or chalk.

Good adhesion to concrete with high mechanical resistance, resistance to abrasion and chemical agents.

Excellent weather resistance.

Excellent resistance to extreme temperatures (between -40 °C and +80 °C). Maximum breaking temperature 200 °C.

Liquid product that adapts to any shape of the support.

Excellent chemical resistance.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Liquid
Presentation:	5 and 20 kg metal containers. Shiny transparent color. Can be pigmented with suitable pastes according to RAL chart
Chemical nature:	Solvent-based polyurethane
Density at 20 °C*:	0.950 ± 0.050 Kg/L (20 °C, ASTM D1475)
Viscosity:	100 cP (, 20 °C, ASTM D1475)
Touch dry:	4-6 hours (25 °C, 55% RH)
Repainted:	6-24 hours
Total curing:	7 days
Support temperature:	>+10 °C to < +30 °C
Ambient temperature:	>+10 °C to < +30 °C
Service temperature:	-40 °C to +80 °C
Relative humidity:	< 75%
Support humidity:	< 4
Breaking temperature:	200 °C
Elongation at break:	> 50% (23°C, ASTM D412)
Elasticity:	> 50% (23°C, ASTM D412)
Shore D Hardness:	> 60 (ASTM D2240)
Wear resistance:	80 µm (UN-EN 13892-4)
Transmission to water vapor:	0.8 g/m ² .h (ASTM E96)



QUV:	Passed 2000 h (Weather resistance, 4 h, UV 60 °C and 4 h COND 50 °C)
Water absorption:	< 1%
Data Standard EN 13813: CE Marking	
Fire behavior:	F
Emission of corrosive substances:	SR
Water permeability:	ND
Wear resistance:	AR1
Adherence:	ND
Shore hardness D:	ND
Acoustic insulation:	ND
Thermal resistance:	ND
Chemical resistance:	NPD

* Quality specifications.

MODE OF USE

Before applying the product, check that the support is clean and free of traces of oil, grease, silicone, contaminating waxes or soil materials. If repair is needed, apply appropriate repair mortars.

It is necessary to start from a porous concrete support, without grout and free of curing liquids. Minimum compressive strength of concrete: 15 N/mm². Minimum tensile strength of concrete: 1 N/mm².

If in doubt, carry out a test before application. Product ready to use, we do not recommend dilution.

On most supports it does not require prior priming. On vitrified supports apply FUTURPRIMER T PU. If in doubt, perform an adhesion test.

We recommend mixing the product well before application with a low-speed electric stirrer (300-400 rpm) to avoid the inclusion of air in the mixture.

If used as paint, up to 10% pigment pastes must be added and beaten for at least 1-2 minutes until a homogeneous product is obtained. If you want to leave the application sealed, use FUTURPROTECT E PU.

Apply with a brush, roller or airless spray in thin layers with an approximate consumption of 100 g/m². The final consumption will depend on the porosity and roughness of the support.

Repainting will be done once the previous layers have dried, approximately 6-24 hours. Do not repaint after 48 hours. Do not leave more than 24 hours between coats. Apply in very thin layers.

Touch dry: 4-6 hours

Pedestrian traffic: 24 hours

Light traffic: 2 days

Total curing: 7 days

Data at ambient temperature of +25 °C and 55% relative humidity.

Finishes: Unpigmented glossy transparent finish. Colored with pigment pastes according to RAL chart. For non-slip abrasive finishes, corundum must be added to the product with a dosage of 0.1-0.4 Kg/m². For non-abrasive anti-slip, add anti-slip in the same proportion.

Maintenance and cleaning: To maintain the appearance of the floor after application, all spills must be removed immediately after they have occurred. The floor must be cleaned regularly using rotating brushes, high-pressure cleaners, vacuum cleaners, using neutral detergents and appropriate waxes.

Once the container is opened, we recommend its complete consumption.



Stable for 12 months from its manufacturing date, in its original, well-closed and undamaged container. Store in a dry and cool place at temperatures between +5°C and +25°C.

Application in closed areas must be carried out ensuring proper ventilation during application and 48 hours after.

Do not exceed the maximum consumption because it may affect its adhesion and durability. Avoid the formation of puddles of the product.

In applications exposed to U.V. rays. from +80 °C yellowing, softening or peeling may occur. To increase resistance to abrasion and UV of FUTURPROTECT or FUTURPROTECT ADY-E Waterproofing systems.

For applications with chemical resistance, consult the technical department.

Incorrect treatment of cracks and singular points can lead to a reduction in the useful life of the pavement.

To clean materials and utensils, use FUTURSOLVENT 01 before the product hardens. Once the product has hardened it can only be removed by mechanical means.

APPLICATIONS

Very useful in all types of construction companies, quick repair contracts, general masonry, community maintenance, building repair and restoration, high-resistance epoxy industrial flooring, etc.

Application as:

Finishing for the protection and decoration of pavements, increasing resistance to abrasion and UV if pigmented.

Protection of concrete, natural stone, marble, etc.

Provides a matte finish to FUTURPOL T and other aliphatic sealants and varnishes.

Water repellency of natural stone, mosaics or porous marbles. Supported media:

Concrete, mortar, ceramics, synthetic materials (type polyurethanes), construction materials such as natural stone, even on slightly porous supports such as marble or mosaic, etc.

For other supports we recommend carrying out tests to verify their adhesion.

The information and recommendations we provide are based on our Research and experience and we believe they are correct. Since the application of the products by our Clients is beyond our control, we cannot assume responsibilities arising from misuse of our products.