FUTURPOL ADY 610

100% ALIPHATIC, ELASTIC, WATERPROOF AND NO YELLOWING LIQUID POLYURETHANE MEMBRANE, SINGLE COMPONENT, FOR COVERS AND ANTI-CORROSIVE PROTECTION

One-component 100% aliphatic liquid polyurethane membrane that, after curing, forms a continuous, resistant, waterproof and highly elastic membrane.
Its formulation provides excellent color stability, avoiding yellowing, changes in tone and chalking caused by exposure to ultraviolet rays.
It is a self-leveling product, with low viscosity and suitable for application in a thick layer, forming a uniform membrane without bubbles. It has excellent adhesion on numerous supports and high resistance to weather, water, hydrolysis, microorganisms and different chemical agents.
It is especially indicated for the waterproofing and protection of roofs, terraces, metal structures, polyurethane foam and surfaces exposed to severe environmental conditions.

PROPERTIES

- One-component liquid membrane made of 100% aliphatic polyurethane.
- Does not yellow, does not change tone and does not produce chalking.
- Great elasticity and excellent waterproofing capacity.
- Thick layer application without bubble formation.
- Excellent adhesion on numerous types of support.
- High resistance to weathering and ultraviolet rays.
- Resistant to water, hydrolysis and microorganisms.
- Good resistance to chemical agents.
- Resistance to service temperatures between ?40 °C and +90 °C.
- Easily adapts to complex shapes and geometries.
- Facilitates the rehabilitation of roofs without demolitions or significant overloads.
- Suitable for the anticorrosive protection of metal structures.
- The white finish offers high solar reflectance.
- Once fully cured, it forms a non-toxic membrane.

PHYSICAL-CHEMICAL CHARACTERISTICS

Technical data of the liquid product	
Chemical nature:	100% aliphatic one-component polyurethane
Solid content:	95% in xylene
Viscosity:	1,000-3,000 cP
Specific weight:	1.3-1.4 g/cm^3
Touch dry:	6-12 hours at 25°C and 55% RH
Repainted:	Approximately 24 hours
Presentation:	25 kg metal containers
Color:	Grey RAL 7038. For other colors, check availability.

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Technical data of the cured membrane	
Hardness:	Shore A 80
Tensile strength at 23 °C:	9 N/mm²
Elasticity at 23 °C:	> 600%
Thermal resistance:	Correct after 100 days at 80 °C
Weather resistance, QUV:	Correct after 2,000 hours
Serving temperature:	–40 °C to +90 °C
Maximum shock temperature:	200 °C

MODE OF USE

The support must be smooth, firm, clean, dry and free of dust, grease, oil, residual moisture or any substance that could impair adhesion. Previously repair irregularities, cracks and singular points, reinforcing them with reinforcement or suitable putties when necessary.
Apply a primer compatible with the characteristics of the support and let it dry completely before continuing. Mix the contents of the container with an electric stirrer at low speed, approximately 300 rpm, avoiding incorporating air. Apply by roller, brush or airless spray.
For waterproofing, apply a total consumption of approximately 1.5-2 kg/m². As polyurethane foam protection, UV-resistant coating or anti-corrosion treatment, apply approximately 1-1.2 kg/m². The approximate repainting time is 24 hours. Do not allow more than 48 hours to pass between coats; After this period, an adhesion primer must be applied.
In case of dilution, use exclusively FUTURSOLVENT 01, with a maximum of 10%. Clean the tools with the same product before the membrane hardens.

Once the container is opened, it is recommended to consume all of its contents. It is not recommended for pools in contact with chemically treated water. Store in its original closed container, in a dry place and at temperatures between +5 °C and +25 °C. Stability: 12 months.

APPLICATIONS

Indicated for the waterproofing and protection of roofs that are not passable or intended only for maintenance work, terraces, balconies, metal or fiber cement roofs and surfaces covered with polyurethane foam. It can also be used as a protective layer against UV rays to prevent chalking, changes in tone and yellowing of other coatings, as well as in anti-corrosion treatments on metal structures and surfaces.
It can be applied on concrete, cement, mosaic, fiber cement, tiles, old acrylic coatings, asphalt emulsions, EPDM, wood, rusty metal and galvanized steel.
For special supports, walkable applications or non-slip finishes, it is recommended to carry out a prior test or consult with the technical department.

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