Syntech Waterproof PU

Polyurethane waterproofing resin, transparent and elastic

Syntech Waterproof PU is a single-component polyurethane, aliphatic, transparent, elastic coating that is used to waterproof terraces, balconies and roofs in general, even over old coatings such as ceramic or stone. Syntech Waterproof PU is resistant to UV rays, yellowing, atmospheric agents, chemical components and alkalis, and maintains elasticity and transparency over time. Syntech Waterproof PU protects and waterproofs ceramic, stone, brick, wood and plastic surfaces from infiltrations, freezing, smog and acid rain. Syntech Waterproof PU can be used to create outdoor flooring consisting of the use of marble and resin pebbles whose mixture allows you to create a monolithic, non-slip and draining surface.

CUSTOMS CODE: 3909 5090
COMPONENTS: Single-component
APPEARANCE: Liquid
AVAILABLE COLORS: Transparent
PACKAGING AND DIMENSIONS: Can 1 kg - Can 5 kg

FEATURES AND BENEFITS

With the application of Syntech Waterproof PU, aged and oxidized plastic surfaces will be more transparent. Syntech Waterproof PU effectively waterproofs even damaged glass surfaces and protects against fragments in the event of glass breakage. Thanks to UV resistance and great elasticity, Syntech Waterproof PU is ideal for restoring the waterproofing of old floors without altering their aesthetic effect and without invasive building works. Syntech Waterproof PU uses an innovative hardening system activated by atmospheric humidity and does not fear the humidity of the substrate.

FIELDS OF APPLICATION

Syntech Waterproof PU is used as a waterproofing coating for roofs and terraces, also applicable on old coatings with direct exposure to UV rays. Creation of exposed gravel floors.

ALLOWED SUPPORTS

Wood - Plastic - Tiles - Glass - Natural stones

PREPARATION OF SUPPORTS

The application surfaces must be suitably prepared and adequately resistant: free from dust, grease, dirt, friable and / or inconsistent parts, free from surface dampness. The moisture content of the substrate must not exceed 5%. Treat non-absorbent glazed surfaces such as glazed ceramic tiles, glass and glass cements with a primer before applying Syntech Waterproof PU coating.

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MODE OF USE

Pour Syntech Waterproof PU on the primed surface and spread with a roller or a suitable notched trowel, until the entire surface is covered. After 12 hours - but no later than 18 hours - apply a second layer of Syntech Waterproof PU using a roller or a brush. For better waterproofing and wear resistance, apply a third layer of the product. Do not apply Syntech Waterproof PU in thicknesses greater than 1 mm per layer (dry film). For best results, the temperatures during application and drying should be between + 5 ° C and + 35 ° C. Lower temperatures delay the ripening process while higher temperatures accelerate it. High humidity could affect the final result. To achieve a non-slip finish, distribute evenly quartz to the point when the coating is still fresh. CREATION OF OUTDOOR FLOORING: For the realization of an indicative thickness of 1 cm of flooring made with Syntech Waterproof PU and valuable aggregates (colored stones, marble granules, etc.) a mixture is made with approximately 5 kg of product every 70 kg of aggregate to be incorporated (variable consumption according to the size of the aggregate).

APPLICATION METHODS

Pour out - Notched finishing trowel

TOOL CLEANING

Water

KEY FEATURES

Shelf-life: 9 months

Use wearing protective gloves

Temperature of use: + 5 / + 30 °C

UV-resistant

TECHNICAL SPECIFICATIONS

EN ISO 5470-1
Taber abrasion resistance expressed as weight loss in grams (H22 wheel - 1000 g - 1000 rpm) **< 3000 mg**

Determination of volatile matter (VOC) **< 500 g/l**

Dust-free time at 20°C **4-5 h**

EN 1062-3
Capillary absorption **w < 0.1**

Dry residue **62 ± 1 %**

Ford ASTM D 1200
Viscosity **55 ± 5 s**

EN ISO 6272-1
Impact resistance **> 4 Nm**

EN 1062-6
Permeability to CO_2 **Sd>50 m**

EN 1542
Adhesion by direct traction **≥ 0.8 N/mm²**

1.05 ± 0.05 kg/l

CONSUMPTION

Approximately 0.8 - 1.2 kg / m2 of Syntech Waterproof PU in two or three layers of 1 mm each.

STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Store the product at a temperature between +5°C and +35°C.

PHOTO GALLERY

ADDITIONAL CONTENT

WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.
Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.
Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.
It is forbidden to dispose of the product and/or packaging in the environment.