

# Syntech Flexipur

## Flexible two-component solvent-based polyurethane coating



Syntech Flexipur is a two-component aliphatic elastic polyurethane resin in the solvent phase, with excellent characteristics of chemical resistance and flexibility, ideal for the protective finish of both new and restored reinforced concrete structures. Syntech Flexipur is applied by roller or spray (airless) creating a film-forming coating with high protective capacity and resistance to cracking (crack bridging ability).

**CUSTOMS CODE:** 3909 5090

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** RAL classic

**PACKAGING AND DIMENSIONS:** Can 6.7 kg [A] - Can 3.3 kg [B] - Kit: 1 Can 6.7 kg [A] + 1 Can 3.3 kg [B]

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

Syntech Flexipur is ideal for creating the surface protection of both new and existing reinforced concrete structures; The final protective treatment of coatings for commercial activities, offices, hospitals and public environments in general; It can be used for UV protection of solvent-free polymeric elastic sheaths.

## ALLOWED SUPPORTS

Concrete - Prefabricated concrete - Wood - Steel - Bricks - Porous stone

## MODE OF USE

Mix the two components in their respective packaging. Then pour component B into the container of component A. Mix everything for 3-4 minutes using a low-speed mechanical stirrer until a homogeneous and lump-free mixture is obtained. Mix the dough again for a few minutes to mix the mixture. Apply the product within 60 minutes. Syntech Flexipur can be applied by roller or spray (airless). With manual roller application it is advisable to foresee 2 successive coats, spaced out by a minimum time of 5 hours (20 ° C and 65% R.H.). In the case of spray application (airless) it is possible to apply the recommended thickness of 200-300 dry microns in a single coat. The product must be applied at temperatures between +10 and + 35 ° C; optimal density and workability are obtained at a temperature of + 20 ° C.



## APPLICATION METHODS

Brush - Paint roller - Sprayer

## TOOL CLEANING

Syntech Diluente Poliuretano

## KEY FEATURES

-  Density: 1.20 kg/l
-  Solvent-based product
-  To be applied in two coats
-  Use wearing protective gloves
-  Shelf-life: 12 months
-  Temperature of use: +10 / +35 °C
-  Use wearing protective glasses
-  UV-resistant

## TECHNICAL SPECIFICATIONS

EN 13529

Resistance to severe chemical attacks **See Table**

Heat resistance **50 °C**

EN 1062-6

Permeability to CO<sub>2</sub> **Sd > 50 m**

EN ISO 6272-1

Impact resistance **> 4 N/m**

UNI EN 1542

Concrete adhesion (direct traction) **≥ 5.0 MPa**

EN ISO 2813

Brilliance **> 60 ± 5 Gloss**

EN ISO 5470-1

Taber abrasion resistance expressed as weight loss in grams (H2 wheel - 1000 g - 1000 rpm) **< 3000 mg**

Dry residue **61 %**

EN 1062-3

Capillary absorption **w < 0.1**

Ford ASTM D 1200

Viscosity **25 ± 5 s**

EN 13501-1

Reaction to fire **Bfl S1**

EN 12311-2

Longitudinal elongation at break **> 400 %**

EN ISO 7783-1

Permeability to water vapor **Sd < 50 m**

Time before second coat at 20°C **max 24 h**

## CONSUMPTION

Approximately 80-120 g / m<sup>2</sup> of Syntech Flexipur for each coat (apply two coats).

## STORAGE AND CONSERVATION

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. Opened containers must be used immediately.



## 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](http://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](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

