

# Syntech Pavistrong

## Two-component chemical-resistant epoxy coating



A two-component coating with a modified epoxy resin base, specific for protecting concrete surfaces destined to be in contact with aggressive agents or for containing food products and drinking water. Syntech Pavistrong is certified according to EN 1504-2, for the protection of structures in reinforced concrete as well as for food contact, in accordance with the requirements of Ministerial Decree 21/03/73 and subsequent amendments.

**CUSTOMS CODE:** 3907 3000

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** Gray / Red

**PACKAGING AND DIMENSIONS:** Can 2 kg [A] - Can 6 kg [A] - Can 1 kg [B] - Can 3 kg [B] - Kit: 1 Can 2 kg [A] + 1 Can 1 kg [B] - Kit: 1 Can 6 kg [A] + 1 Can 3 kg [B]

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FEATURES AND BENEFITS

Syntech Pavistrong is characterized by its excellent chemical resistance to aggressive exposure environments, to alkalis even at high concentration, to medium concentration acids and to the flow of liquids even containing solid suspensions. It is impermeable to water and chemically aggressive agents. It constitutes an effective barrier to the penetration of carbon dioxide and the carbonation of concrete. It is non-toxic, therefore suitable for contact with food and drinking water. It has excellent adhesion to concrete, steel, bricks, stone in general and various materials commonly used in construction. The fluid consistency makes Syntech Pavistrong fast and easy to apply both by brush and roller.

## FIELDS OF APPLICATION

Industrial concrete floors. Purification tanks for waste water and related technical rooms. Food tanks, pipes and containers. Digesters and plants for the production of biogas. Coating of canalizations and liquid containment tanks. Water treatment, purification and distribution plants. Containers of acidic and basic substances. Stables, milking rooms, veterinary rooms, slaughterhouses. Analysis laboratories, warehouses, raw material storage areas and production areas. Containers for accidental spills of petroleum products, chemicals and food products.

## ALLOWED SUPPORTS

Concrete - Cement-based or lime-based mortars - Prefabricated concrete - Porphyry and natural stones - Steel - Bricks



## PREPARATION OF SUPPORTS

The support on which the resin system is to be laid must be suitable for withstanding the stresses resulting from the intended use, such as static or dynamic loads, impacts, thermo-hygrometric dilatations, vibrations, etc. As regards the characteristics of the substrate (maximum humidity, cohesion, strength class, flatness, etc.) and the preparation of the surface that will accommodate the resin system, we recommend the requirements set out in chapter 5 of the UNI 10966 standard ("RESIN SYSTEMS FOR SURFACES HORIZONTAL AND VERTICAL - INSTRUCTIONS FOR DESIGN AND APPLICATION "). In any case, carefully clean and degrease the surfaces, removing any kind of dirt, paint residues or incoherent parts. The humidity of the support must be  $\leq 3\%$ . Evaluate the most convenient type of mechanical preparation (shot peening, sandblasting, hydro-washing, etc.). The surfaces must also be free from discontinuity, and possibly leveled and regularized with products from the FLOOR line or the REPAR line. Apply by roller, brush or spray from 150 to 200 g / m<sup>2</sup> of Syntech Primer EP-W to consolidate the substrate and facilitate the adhesion of the subsequent coating. Apply Syntech Pavidrom when the primer is completely dry and no later than 24 hours from the end of its application. In case of presence (even suspected) of humidity deriving from capillary rising from the substrate, it is recommended to first apply the epoxy resin for "wet substrates" Syntech Pavidamp. Tiled floors, or floors covered with pre-existing resin, must be subjected to mechanical roughening carried out with shot blasting, milling, bush hammering, etc., until the total elimination of the waterproof crust and the opacification of the surfaces. Remove dust after abrasion.

## MODE OF USE

Thoroughly mix the two components in their respective containers. Pour the can of component B into the can of component A, mix thoroughly for 2-3 minutes. To obtain a perfect mixing use a mechanical stirrer or a suitable tool. The mixture of the two components must be spread within 20-30 minutes, in order to avoid hardening in the can itself. Note that the reaction rate depends on the ambient temperature (at 30 ° C it hardens in 15 minutes). Apply on the surface to be treated, in two coats, within the indicated times, for an indicative consumption of 500-600 g / m<sup>2</sup>. Do not take partial quantities from the packs to avoid any errors in the mixing ratio that would cause failure or incomplete hardening. Do not dilute the components or the mixture of the two components.

## APPLICATION METHODS

Brush - Paint roller

## TOOL CLEANING

UNI solvent

## TECHNICAL SPECIFICATIONS

*EN ISO 7783-1*

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

Resistant to chemical agents

*EN 1062-6*

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

*UNI EN 1542*

Adhesion by direct traction **3 MPa**

a 20°C

Touch hardening at 20°C **12 h**

*UNI EN ISO 3219*

Viscosity **16600 (± 500) mPas**

Maximum humidity of the support **4 %**

Complete hardening at 20°C **7 day**

## CONSUMPTION

From 0.50 to 0.60 kg of SYNTYECH PAVISTRONG for each square metre of surface to be covered, for two coat applications (0.25-0.30 kg per single coat).



## 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



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