FUTURPROTECT TC2K ANTISTAIN

TWO-COMPONENT ALIPHATIC STAIN-PROOF WATER-BASED POLYURETHANE COATING FOR SEALING CONCRETE AND TOP COAT

Two-component, aliphatic water-based polyurethane coating with exceptional properties for a multitude of applications. It is especially indicated as a sealing layer to protect concrete, cement mortars and microcement. It does not alter the color of the mortar or discolor it even in contact with water. Excellent resistance to stains from tea, coffee, wine, etc. Low viscosity product for easy application.

PROPERTIES

Water-based product with quick and easy application.
Protection of the support and anti-stain treatment.
Fast curing.
Easy to pigment with water-based pigment pastes.
Long term of application (Pot-Life).
Good adhesion to concrete with high mechanical strength and abrasion resistance.
Excellent resistance to ultraviolet rays.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Liquid	
Presentation:	Metallic containers	
	3.9 Kg containers	
	Comp A: 0.9 Kg	Comp. B: 3 Kg
	4.2 Kg containers	
	Comp A: 0.9 Kg	Comp. B: 3.3 Kg
	Transparent color	Color: White or Pigmented RAL
Chemical nature:	Water-based polyurethane	
Mixing proportions:	Component A: 77%. Component B: 23%	
Density:	1 Kg/L (20 ºC, ASTM D1475)	
Viscosity:	100-200 cP (25ºC, ASTM D2196-86)	
Pot-Life:	30 minutes	
Touch dry:	1 hour (25 ºC, 55% RH)	
Repainted:	2 hour	
Total curing:	7 days	
Ambient temperature:	> +5 ºC, < +30 ºC	
Support temperature:	> +5 ºC, < +30 ºC	
Relative humidity:	< 80%	
EN-13813 Data: CE Marking		
Fire behavior:	F	
Emission of corrosive substances:	SRC	

Química Futura, S.L. | TLF (+34) 858991070 | www.quimicafutura.com | email: comercial@quimicafutura.com
Ctra Bailén-Motril. Salida 121. Vía de Servicio Nº 101. 3º Planta. Oficina 2. 18210 Peligros (Granada-Spain)

Water vapor permeability:	NPD
Wear resistance:	AR1
Adhesion:	B1.5
Shore D hardness:	NPD
Impact resistance:	≥ IR4
Acoustic insulation:	NPD
Acoustic absorption:	NPD
Thermal 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 important to control the dew point to prevent condensation from occurring and avoid whitish areas on the coating.
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.
Mix the two components with the help of a low-speed electric stirrer (300-400 rpm) to avoid the inclusion of air in the mixture. Beat component B well in its container, then add component A (resin) and beat for at least 2 minutes until obtaining a homogeneous product. Mixing proportions: 23 kg of component B for every 77 kg of component A.
For colored floors, add up to 10% of pigment pastes compatible with component B and mix until a homogeneous product is reached and mix the two components. Do not mix excessively to avoid the inclusion of air bubbles.
Apply by roller or spray in thin layers with an approximate consumption of 100-200 g/m2 with a minimum of two layers. The final consumption will depend on the porosity and roughness of the support.

The repainting will be carried out once the previous layers are dry, approx. 1-2 hours. The product dries relatively quickly, so any roller pass after the first pass can leave marks.
Application time (Pot-life) of 30 minutes at 25 ºC.
Touch dry: 1-2 hours
Pedestrian traffic: 8 hours
Light traffic: 2 days
Total curing: 7 days
Data at ambient temperature of +25 ºC and 55% relative humidity. Pigmented finishes according to RAL chart with water-based dyes.

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 +5ºC and +25ºC.
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. yellowing may occur. For applications with chemical resistance, consult the

Química Futura, S.L. | TLF (+34) 858991070 | www.quimicafutura.com | email: comercial@quimicafutura.com
Ctra Bailén-Motril. Salida 121. Vía de Servicio Nº 101. 3º Planta. Oficina 2. 18210 Peligros (Granada-Spain)

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 water 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 polyurethane industrial flooring, etc.

Application as:
Sealing and protection of concrete, mortars and microcement
Water-based primer for Futuraqua TC2K.

Supported media:
Concrete, cement mortar and microcement.

Química Futura, S.L. | TLF (+34) 858991070 | www.quimicafutura.com | email: comercial@quimicafutura.com
Ctra Bailén-Motril. Salida 121. Vía de Servicio Nº 101. 3º Planta. Oficina 2. 18210 Peligros (Granada-Spain)