

SUFFIX PUR 2K TC

Aliphatic Polyurethane Based, Two Component,
UV Resistant Top Coat Material

FLOORING GROUP

Description of Product

SUFFIX PUR 2K TC is a two-component, polyurethane-based, UV-resistant, liquid topcoat coating material. It adheres perfectly to different surfaces, forming a highly elastic and durable film. It shows mechanical and chemical properties and provides high tensile, tear and abrasion resistance. It is effective in water vapor transmission. The film breathes and prevents moisture from accumulating in the lower layer.

Areas of Use

It is used on concrete roofs, pools, ponds, verandas and balconies, light roofs made of metal and fibrous materials, bridge platforms, ceramic tiles, natural stone tiles, etc. It can be applied as a topcoat on surfaces, to protect polyurethane foam insulation, and on waterproofing materials used.

Advantages

It is resistant to UV rays, has high abrasion and chemical resistance, is elastic, provides excellent adherence to non-absorbent surfaces, and has low viscosity.

Physical Properties

Quality (23°C, 50% RH)	Value	Standard & Method
Appearance	Shiny	-
Colour	Ral Colors	-
Viscosity	A Component: 2500 ± 500 B Component: 600 ± 50	EN ISO 2555
Density (gr/cm ³)	A Component: 1,40 ± 0,05 B Component: 1,05 ± 0,05 A+B Component: 1,30 ± 0,05	EN ISO 2811 - 1
Solids by Volume (% V)	A+B Component: 56 ± 1	EN ISO 3251

Mechanical Properties

Quality (23°C, 50% RH, 7 Days)	Value	Standard & Method
Elongation at Break (%)	> 100	EN ISO 527 ASTM D 412
Tensile Strength (N/mm ²)	20	EN ISO 527 ASTM D 412
Impact Resistance	Class III	EN ISO 6772-1:2006
Taber Abrasion Resistance (mg) (CS 10/1000/1000)	452	ISO 5470-1
Adhesion Strength (N/mm ²)	> 3	EN 1542 ASTM D 4541
Surface Hardness (Shore D)	60	EN ISO 868 ASTM D 2240

Technical Properties After Application and Cure

Quality (23°C, 50% RH)	Value	Standard & Method
Mixing Ratio	100:33,3	-
Pot Life (10°C) (minutes)	30	100 gr (A+B)
Pot Life (30°C) (minutes)	15 - 20	
Water Absorption	< 0,5	-
Touch Dry (hours)	6 - 8	-50% RH at 23°C
Full Curing (days)	7	
Waiting Between Layers (hours)	24	-
Opening to Light Traffic (days)	1	-

Application Information - Surface Preparation

The coating surfaces to be applied must be free of dust, dirt, oil and other substances that may prevent adhesion. Application should be made within the re-coating period of the coating system. In case of application on old coatings, our technical service should be consulted for the application method.

Preparation of Mixture

After component B is completely poured into component A, it should be mixed for 2 - 3 minutes with a suitable mixer at 300 rpm.

Application Information

SUFFIX PUR 2K TC is applied with a brush or roller. The surface should not come into direct contact with water for at least 24 hours after application.

Cleaning after Application

The equipment used during application should be cleaned with a suitable solvent immediately after application.

Warnings

The surfaces on which SUFFIX PUR 2K TC will be applied should not be damp. It should not be applied on surfaces that have been previously treated with silane, siloxane, silicone or other water-preventing substances. If applied, poor adhesion is expected. If clear information about the conditions and history of the surface cannot be found, adhesion testing is recommended.

Packing

10 kg set SUFFIX PUR2KTC;

Component A: 7.50 kg metal packaging

Component B: 2.50 kg metal packaging

Storing and Shelf Life

It can be stored in its unopened original containers, in dry environments between 15°C and 25°C, for 9 months from the date of production. Material in opened buckets should be used immediately.

Safety Precautions

Component B of SUFFIX PUR 2KTC contains isocyanate and volatile, flammable solvents. You should not smoke during application and work in well-ventilated environments, away from naked flames. It should not be forgotten that solvents are heavier than air and therefore will circulate on the ground. During application, work clothes, protective gloves, glasses and masks that comply with occupational and worker health rules should be used. Due to the irritating effects of the uncured product, the components should not be contacted with the skin or eyes. In case of contact, it should be washed with plenty of water and soap. If swallowed, consult a doctor immediately. For detailed information, please refer to the Safety Data Sheet (MSDS) or contact our technical units. Keep out of reach of children.

None of our instructions and technical specifications written herein are binding in general and EXCLUSIVELY in accordance with the protective rights of third parties and do not exempt you from the obligation to carry out the necessary examination to determine the suitability of our products. Our company is not responsible for any damages that may occur as a result of natural damage or due to use and/or product reliability or information and instructions, for whatever reason and to whatever extent.



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