

DECORATIVE WATER-BASED EXTERIOR PRODUCT GROUP

BETEK PURAKRIL SILK

PRODUCT DESCRIPTION

New-generation, silicon-modified pure acrylic emulsion-based top-coat exterior paint with high color and brightness durability, superior water-repellency and silk matt texture.

SPECIFICATIONS

Thanks to the special pigments and binding system of Purakril Silk, its vivid organic colors are as resistant to fading as any inorganic color. With its modified silicone pure acrylic binding system that ensures a high level of UV resistance, both its colors and its colors' brightness last for years. Thanks to the special silicone structure of Purakril Silk with superior hydrophobic quality, the wall's internal moisture is removed so that any peeling of the paint is prevented. As the formula has been developed for the severest climatic conditions, the paint comes as integrated completely with the surface, lasting for years. With Purakril Silk, surfaces gain a silky-matte shine. And, with this ideal brightness ensured for this building physics, colors are more vivid and surfaces are more aesthetic. Creates an elegant texture on external surfaces for years with its superior brightness resistance.

The technology utilized by Purakril Silk enables the paint to stretch as the surface does, and prevents the formation of invisible micro- and hair-cracks over the surface with its improved elastic structure. Purakril Silk may be used as a textured top-coat paint without thinning as it can be applied as smooth paint. Due to its high binder ratio, it forms a CO₂ (carbon dioxide) barrier. Purakril Silk prevents corrosion, protects concrete, and does not absorb any external water thanks to its CO₂ impermeability. Can be used safely especially on exposed concrete surfaces due to its higher performance than other exterior paints and the CO₂ barrier that it forms. Easy to apply since Purakril Silk spreads perfectly over the surface, providing savings in both time and labor. Has high coverage. Minimum splashing and dripping during application.

APPLICATION SURFACES

Purakril Silk can be applied on acrylic- and mineral-based surfaces, plasters, concrete, exposed concrete, pre-cast concrete panels, faded but yet still self-supporting old painted ready-plaster surfaces. Ensure to smoothen the imperfections on the application surface. Purakril Silk should be applied to the surface only after applying Purakril Primer. Recommended to apply colored primer for colors with low coverage warning. More than two top coats may be required for colors with low coverage warning.

APPLICATION

Do not apply the paint directly on loose layers. When surface correction and repairs are required, acrylic materials must be used in accordance with the product label information. Purakril Silk is brighter in comparison to normal exterior matte paints. Thus it is necessary to prepare the surface meticulously so as to prevent this top coat from reflecting any surface defects. Purakril Primer must be applied before Purakril Silk. After the primer dries, Purakril Silk should be applied to the surface as two coats using a brush, a roller or as a single coat of spraying. For grained paint look, single coat should be applied using a coral roller. Care should be taken to ensure that the surface temperature stays between +5°C and +30°C throughout application. Wait for at least 4 weeks after any plaster application. Comply with the curing periods of cement-based products. During painting and drying periods, the surface needs to be protected from both rain and frost. Application should not be conducted in windy conditions or under direct sunlight. After the application, all used tools and application apparatus should be cleaned with water. There must be 6 to 8 hours waiting time between the primer and each paint coat. Prefer a shady wall if required to be applied in hot weather conditions above +30°C and abstain from application from 11:00 AM to 04:00 PM.

BETEK BOYA VE KİMYA SANAYİ A.Ş.

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You can access the MSDS and TDS forms including the information regarding detailed application, healthy-safety-handling risks and precautions on www.betekexport.com.

NOTE

Application of 1 portion Betek Boxan 451 + 1 portion water mixture by brush on the surface is recommended before the paint primer on surfaces with risk of efflorescence. And on surfaces with the problem of efflorescence, application of 1 portion Betek Boxan 451 + 1 portion water mixture and single coat of paint in the same color is recommended to resolve the problem.

Purakril Silk Smooth Paint Application: Final combing of the paint should be done in one direction from top to bottom to remove the risk of roller marks that can be caused by the bright texture of the product on high and wide walls.

Purakril Silk Grained Paint Application: Spread the paint on the surface using a coral or lambskin roller abundantly, comb using a coral roller to even and comb downwards to finish. Decorative profile application is recommended for gaps and layer moldings to disguise the joints at high buildings. 500 to 700 g/m² product should be consumed to obtain a proper grained pattern.

Surfaces Requiring Paste:

For cement-based surfaces that will be painted for the first time, mix Betek Exterior Paste with fresh white/gray cement and a water mixture that is equal to 20% of its weight using a low-speed drill until a homogeneous mixture is obtained. Apply the mixture directly on cleaned and moisturized plaster/concrete surfaces. For old painted surfaces, apply a single coat of exterior paint primer before paste. Move on with painting after applying repair paste and paint primer once again. Ensure the ready-to-use pastes are applied maximum 1 mm thick in order to prevent cracking and slumping. Use Betek Stako repair mortar for deep and wide imperfections.

FOR AIRLESS SPRAYING

Pressure: 140 bar

Nozzle Angle: 50°

Nozzle Size (inch): 0.019"-

0.021" Diluting: 5% (Volume)

THINNING

For smooth paint application: Thin by a maximum of 15% using clean water. For grained paint application: Use without thinning. During high volume exterior painting works, special attention should be paid so that the diluting products are utilized in a constant ratio in order to prevent differences in tone.

DRYING TIME (at 20°C, 65% HR)

First drying: 1-2 hours

Second coat application: 6-8

hours Final drying: 24 hours

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CONSUMPTION

6-10 m² single coat per liter for smooth look depending on the type, absorbency and structure of the application surface. 1.3 to 2.0 m² single coat per kilogram for grained look. Perform a controlled sample run to estimate the precise consumption.

STORAGE

May be stored for 3 years in its unopened packaging in a cool and dry environment protected against frosting and direct sunlight. Close the package right after application in an air-tight manner.

Brightness : Class G2

Dry Film Thickness: Class E2

Granule Size: Class S1

Water Vapor Transmission Rate: Class V2

Water Transmission Rate: Class W3

Crack Coverage Capacity: Class A0

Carbon Dioxide Permeability: Class C0

PACKAGING

15 L, 7.5 L, 2.5 L

HAZARD STATEMENTS

H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of the reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/care.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

This technical sheet is prepared based on laboratory data under normal conditions, consult to technical personnel for details that are not provided above. Otherwise the manufacturing company cannot be held responsible for the failures that may arise due to a lack of knowledge. Our company reserves the right to change this information.

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