



DECORATIVE WATER-BASED EXTERIOR PRODUCT GROUP

BETEK NUCLEUS

PRODUCT DESCRIPTION

This is the top-coat exterior paint with soft glossy texture, that offers "maximum water repellency" and "maximum breathability", thanks to its Silicone-grafted® Frontier Polymer Technology®; that is self-cleaning, in other words "photocatalytic", thanks to its special pigment and binder system; that is highly durable vibrant organic colours thanks to its superior UV-reflecting performance

PROPERTIES

Soft bright vibrant organic colours and inorganic colours in pastel tones are highly resistant to fading thanks to Nucleus' binder developed with special pigment and Frontier Polymer Technology®. Long-lasting colour and gloss retention is achieved thanks to high UV resistance (such vivid and bright organic colours are protected under the warranty of Betek)

Surfaces with soft glossy texture obtained with Nucleus provide the ideal gloss for building physics, while colours are more vivid and surfaces look more aesthetic. Once the painting process is completed, superior gloss resistance on exterior facades creates an elegant texture that lasts for many years.

Frontier Polymer Technology® ensures rapid elimination of moisture on the facade with its "maximum breathing" feature thanks to the Silicone-grafted® Special Polymer it contains. With its "maximum water repellency" feature, it provides more resistance to wetting and remains durable for many years against severe climatic conditions. Furthermore, thanks to the pure acrylic contained in its formulation, it completely integrates with the surface

Photocatalytic centres created, thanks to the binder with special Silicone-grafted® Frontier Polymer Technology® and special pigments, oxidise and break down the dirt accumulated on the surface, and keep the surface clean for many years.

It is easy to apply thanks to its superior spreading feature on the applied surfaces. It saves time and labour. It has high sealing feature. Splashing and dripping during application is minimised.

APPLICATION SURFACES

Nucleus can be applied on acrylic and mineral based, plasters, concrete, exposed concrete, betopan, discoloured but self-supporting old painted and terracite type surfaces. The defects on the application surface must be removed in the best way possible.

Betek Panzer Primer, which provides maximum resistance against whitening that may occur as a result of alkali efflorescence on exterior facades, should be applied on the surface, and only then Nucleus should be applied. Coloured primer application is recommended for colours with low hiding power warning. Colours with low hiding warning may require the topcoat to be applied in more than two layers.

APPLICATION

Check that the surface is solid, dry, clean and self-supporting. Do not apply paint directly on lime and loose layers. When surface correction and repairs are required, acrylic and cement based materials should be used in accordance with the product label information. Nucleus has a brighter texture than normal exterior matt paints. Due to this texture, substrate preparation should be done very well in order to prevent it from showing surface defects. Betek Panzer Primer should be applied before applying Nucleus. After the primer has dried, Nucleus should be applied to the facade either in at least two coats by brush, roller, or in single coat by way of spraying. Wait for 4 weeks on newly plastered surfaces. The setting times of cement based products must be observed.

BETEK BOYA VE KİMYA SANAYİ A.Ş.

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The surface should be protected from precipitation and frost during paint application and drying periods, and application under direct sunlight with plenty of breeze should be avoided. Clean the tools and application apparatus used with water after application. Wait 6-8 hours between primer and each coat of paint. If application is to be made at temperatures above +30°C, it is recommended to apply on shaded facades, and not to perform application between 10:00-16:00.

Our products must be applied on substructure surfaces made in accordance with the General Technical Specifications for Construction No. 26568, dated 30.06.2007, and all current annexes thereof.

WARNING 1

Make sure that the surface temperature is between +5°C and +30°C during application.

WARNING 2

In order to solve the problem on surfaces with efflorescence or where there is a risk of efflorescence, Betek Panzer Primer should be applied before the paint primer.

WARNING 3

Especially on high and wide walls, the final combing of the paint should be done in one direction and from top to bottom in order to eliminate the risk of roller marks that may arise from the glossy texture of the product.

Surfaces to be applied with putty: For cement based surfaces to be painted for the first time, a mixture of fresh white/grey cement + water (in boza consistency) up to 20% of its weight should be added to Betek Exterior Paste and mixed with the help of a low speed drill until a homogenous appearance is achieved. The mixture should be applied directly to the cleaned and moistened plaster/concrete surfaces. If putty application is to be made on old painted surfaces, a single coat of exterior paint primer should be applied. Following this process, putty repair and paint primer should be applied again and the painting process should be started.

Ready-to-use putties should be applied with a maximum thickness of 1 mm to prevent cracking and denting.

Stako repair mortar will be suitable for deep and wide repairs.

AIRLESS SPRAYING

Pressure: 140 bars

Nozzle Angle: 50°

Nozzle Size (inch): 0.019"- 0.021"

Dilution: 5%

DILUTION

Dilute with clean water at a maximum rate of 15%. In high quantity exterior paint works, care should be taken to dilute the products at the same rate in order to avoid tonal differences.

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DRYING TIME (under 20 °C, 65% HR)

No-touch drying: 1-2 hours

Waiting time between coats: 6-8 hours

Final drying: 24 hours

CONSUMPTION

Depending on the type, absorbency and texture of the application surface, an area of 7,4-12,6 m² can be painted in a single coat with 1 Liter. A controlled sample study should be carried out for exact consumption.

STORAGE

It can be stored for 3 years in its unopened package in a cool and dry place, protected from frost and direct sunlight. Close the lid of the package in an airtight manner immediately after use.

PACKAGING

15 L, 7.5 L, 2.5 L



Conforms to TS 7847.



Conforms to the G communiqué.

TSE

Pos. No.

15.540.1329, 15.540.1337, 15.540.1338, 15.540.1339, 15.540.1330, 15.540.1323, 15.540.1334

Quotation No.

10.300.1051, 10.300.1054, 10.300.1057, 10.300.1065, 10.300.1066

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