

**SILICONE DECORATIVE PLASTER
"TREE BARK"
KTE7320**

TEHNICAL DATA SHEET

Product description

<u>Description:</u>	<p>KTE7320 professional product is a structured, bark-look silicone decorative plaster based on silicone resin, pigments and marble granules. Silicone resin used in this product provides a strong water-repellent effect, but at the same time delivers high water vapour permeability. Thus, resistance to temperature variations, weathering and alkaline solutions is very high.</p>								
<u>Use:</u>	<p>It is used for exterior decorative finishes, on mineral cement plasters, lime-cement, concrete and old wear and wash resistant paints. Recommended for decoration and renewal of new and old mineral surfaces, thermally insulated or not, for the protection of historical buildings and monuments. Apply in conditioned form on plaster (with a test coat) and wood. Do not apply to resins and synthetics, lacquer or oil-based coatings, glue paints or lime coatings.</p> <p><u>! Not recommended for application on salt efflorescent surfaces, plastic or wood surfaces, lacquer coatings or oil-based coatings!</u></p>								
<u>Main characteristic elements:</u>	<ul style="list-style-type: none"> • structured decorative appearance • waterproof and water vapour permeable • good adhesion to the substrate • easy application and handling, reduced drying time • resistance to soiling • good resistance to impact, rubbing, scratching and weathering • environmentally friendly 								
<u>Assortments:</u>	<p><u>White plasters:</u></p> <ul style="list-style-type: none"> • KTE7320-15 - with 1-1.5mm grain size • KTE7320-25 - with 2-2.5 mm grain size <p><u>Tinting bases</u> - colour on Kolor Explorer - 2011 Collections Chart and Exterior Chart</p> <ul style="list-style-type: none"> • KTE7320-15-01 • KTE7320-25-01 <p>Ready-made tints according to the sample card:</p> <table style="width: 100%; border: none;"> <tr> <td>• T051 - Toscana</td> <td>• N048 - Nice</td> </tr> <tr> <td>• C052 - Cairo</td> <td>• V050 - Vienna</td> </tr> <tr> <td>• M049 - Madrid</td> <td>• T054 - Tunisia</td> </tr> <tr> <td>• M053 - Maroc</td> <td>• S055 - Sicily</td> </tr> </table>	• T051 - Toscana	• N048 - Nice	• C052 - Cairo	• V050 - Vienna	• M049 - Madrid	• T054 - Tunisia	• M053 - Maroc	• S055 - Sicily
• T051 - Toscana	• N048 - Nice								
• C052 - Cairo	• V050 - Vienna								
• M049 - Madrid	• T054 - Tunisia								
• M053 - Maroc	• S055 - Sicily								
<u>Shelf life in packaging:</u>	<p>48 months from the date of manufacture. During this period, possible viscosity increases are possible which can be corrected by dilution with water. After expiry of the shelf life, the product must be re-checked for filmogenicity according to the technical conditions and can be used if these conditions correspond to the values in the table below.</p>								
<u>Packaging:</u>	<p>25 kg net plastic containers.</p>								
<u>Storage:</u>	<p>In closed, dry, covered, ventilated spaces, protected against weather and solar radiation, away from fire sources, at temperatures between 5 - 25°C.</p>								
<u>Shipping:</u>	<p>The products are shipped by covered means of transport according to the regulations in force.</p>								
<u>Certification:</u>	<p>KTE7320 products have performances declared according to DoP (declaration of performance) no. 6/2022 based on the harmonized technical specification: SR EN 15824:2017 and the CE mark is applied to the product packaging.</p>								
<u>Compatibility</u>	<p>KTE7320 series products should not be mixed with products other than those recommended for tinting by the manufacturer.</p>								

TECHNICAL QUALITY CHARACTERISTICS

Table no.1

Item No.	Characteristic value	MU	Characteristic value	Method of analysis
a) Product characteristics				
1.	Appearance	-	white, viscous paste	visual
2.	Non-volatile substance content, 0.5g/50cm ² , 105°C, 10 min.	%	88 ± 1	SR EN ISO 3251:2019
3.	Density, 23 °C	g/ml	2.0 ± 0.1	SR EN ISO 2811-1:2016
4.	pH	-	8.5 - 9	internal method
5.	Determination of sterility or degree of contamination with microorganisms	-	1 (+)	STAS 12718-89
b) Characteristics of the film				
1.	Appearance*	-	decorative, structured	visual
2.	Colour	-	according to color chart	visual
3.	Drying time at a dry coat thickness of 1.5-2.5mm: -dry to touch, max. -dry to handle, max.	hours hours	2 72	ASTM D 1640M-14 (2018)
4.	Liquid resistance (48h immersion): water, acid solution (HCl 3%), alkaline solution (KOH 3%), saline solution (Na Cl 40%), ethyl alcohol, acetone	-	good	SR EN ISO 2812-2:2019 SR EN ISO 2812-1:2018

*Since natural raw materials are used in the composition of the plasters, plasters manufactured in bright shades may contain a relatively small percentage of different coloured grains.

Product technical data:

Film technical data:

Application details:

- The grain size for the KTE7320-25 assortment is 2-2.5mm
- The grain size for the KTE7320-15 assortment is 1-1.5 mm

Specific consumption:

- 2.4 - 4.0 kg/m², at a dry coat thickness of 1.5 - 2.5mm
- Consumption depends on application conditions (surface geometry, application method, environmental conditions, nature and preparation of surface).

Note:

Wash the application tools with water immediately after use.

Application instructions

Surface preparation:

The application of the product on the surface should be done only after proper preparation, as this step has a determining influence on the quality of the coating and its durability.

Recommended substrates:

Surfaces must comply with current standards, be dry, smooth, flat, free of dust or other impurities. Surface temperature must not fall below the minimum recommended temperature nor exceed the maximum recommended temperature. Before applying the decorative product, perform any repair work, subject to the drying and curing time. Otherwise, the properties of the final finish can be compromised and the durability of the system decreases. Any crack left unrepaired can trigger the coating to peel off the surface as the surface is exposed to thermal variations (frost-thaw). Do not apply to varnish, oil, alkyd paints, synthetics or low quality paints. Completely remove lime or clay films and prime the surface. In case of poor quality paints, apply 1-2 coats of primer to strengthen the paint coat.

New mineral surfaces, plasters and concrete:

- cement-based, **newly-applied** cement-lime plasters or concrete structures can be finished after sufficient drying time, usually after 2 weeks, at approx. 20°C and 65% relative humidity. In case of unfavorable weather conditions, the drying time will be extended
- plaster coats should be allowed to dry and cure for at least 7 days

- once the repaired area is completely dry, proceed to smoothing; larger sand particles, visible on the plaster surface, should be removed as they will detach over time together with the finish, by touching; remove the resulting dust
- plasters that are found to be unsuitable by hammering are removed completely, up to the masonry, and the required repair works are executed
- existing cracks are repaired with quick setting cement paste
- during the entire period of repair, the surface temperature should be at least 10-30°C
- new concrete is strongly alkaline and chemically reactive; it requires a minimum of 28 days to harden and dry before plastering; if the decorative finish is applied before this period, the risk of cracking and efflorescence increases. If the concrete has whitish surfaces, it means that efflorescence is present and it is necessary to use G7101 Silicone Tiefgrund as a first coat.

Thermal system:

The final coat of thermosystem adhesive cures in a minimum of 7 days after application.

Matte dispersion paint coated surfaces:

- old, non-sticky paints are completely removed
- clay-based paints are completely removed
- areas affected by fungi or mold are impregnated and thoroughly cleaned with mold killing solution, after which they dry completely
- possible repairs should be done with cement paste or suitable sealing materials, dry completely and then remove the dust resulting from sanding

Surface priming before product application:

- priming is done with G7104 – silicone primer applied in a single coat, diluted maximum 10% with clean, cold water (10-30°C), only after the cleaned, repaired or replastered surfaces have dried completely
- newly plastered and repaired areas should be given additional priming due to the higher degree of absorption
- once the primed surface has dried completely, you can apply the product

Product preparation and application method:

Condition the product at room temperature at least 24 hours before application. The product is well homogenized before use, applied undiluted or diluted with drinking water according to the ratios established by the manufacturer (max. 2% clean water at high temperatures). Stirring should be done at low rotation speed, using a mechanical mixer (with a stirring rod). Product should not be mixed with other plasters, including similar ones, to avoid the risk of compatibility problems. Product tinting can only be done with the manufacturer's recommended tinting pastes, or based on prior compatibility tests.

Once the product has been conditioned at a temperature of 10-30°C and well homogenized, apply the plaster undiluted or diluted 2%, in a uniform coat, according to particle size, using a stainless steel trowel.

Structure / shape with plastic hawk in order to obtain a uniform appearance. Use the same tool on the entire applied surface.

A sufficient number of applicators are required to apply the material evenly, wet-on-wet, without interruption, in a single application, in order to avoid unwanted stains and stripes on the finished surface.

In order to avoid colour variations over large areas, we recommend the use of tinting bases from the same production batch and tinting on the same machine; it is recommended to check the colour uniformity of the entire product batch (each bucket) in order to detect possible dosing errors. Before beginning the work, apply on a small area of the actual substrate and check the colour after drying.

Colour differences (spots) may occur due to uneven absorption of the substrate or differences in flatness, as well as different degrees of exposure to weathering and sunlight.

Warning!

For continuation of work, it is recommended to use tinted product from the same batch on the same tinting equipment; if this is not possible, you should mix tinted products from different batches.

Working with unskilled personnel, improper surface preparation, use of inappropriate application tools or application under conditions other than those recommended shall not render the manufacturer liable.

Application conditions for exterior use:

- optimal range for application: 10-30°C (ambient temperature should not fall below 10°C in spring and autumn, and should not exceed 30°C in summer)
- environment and surface temperature: 10-30°C
- relative humidity: max. 65%
- product temperature: 10-30°C

Beware of the overnight frost danger!

Surface temperature must not fall below the minimum recommended temperature nor exceed the maximum recommended temperature. Avoid working at very high temperatures; it is advisable to apply the product on the facade during the day when the surface is not exposed to direct sunlight.

The product should not be applied below 10°C or on wet surfaces, during strong winds, in high humidity conditions (fog, snow or other meteorological conditions), in areas exposed to bad weather and water leaks or in direct sunlight.

Do not apply to horizontal surfaces on which rain falls perpendicularly (roofs, sills etc.). During application and drying, protect the applied surface from rain with scaffolding tarpaulins at least 3 days after application. Increased air humidity and low temperatures can significantly extend the shaping and drying time, causing irregular changes in shade (blotchy appearance).

Note: Wash the application tools with water immediately after use.

Application with unsuitable tools may result in inappropriate appearances and thicknesses compared to those specified in this technical data sheet.

Failure to comply with these conditions may lead to defects or total damage to the protection.

Security Data:

See the product safety data sheet.

Occupational safety:

As a water-thinnable product, it does not pose particular occupational safety problems. Avoid contact with skin, eyes and mucous membranes. In case of skin contact, wash with warm water and soap. In case of eye contact, rinse thoroughly with water and then see a specialist.

Note:

All these data are of a general nature regarding the performance and use of the product, therefore we recommend testing the product under the conditions of the beneficiary's own application technology. For further clarification, please contact the manufacturer. Product data is amended once a year, starting from the date of issue of this document.