

**QUARTZ-BASED SILICONE PRIMER
SILICONE PRIMER
G7104/ SF G7104/2021**

TEHNICAL DATA SHEET

Product description

Description:	G7104 is a primer based on silicone resin, filler and quartz. G7104 can be tinted using KOLOR EXPLORER computer system.
Use:	It is used for priming exterior surfaces, as a base coat before the application of KTE7320 series decorative silicone plasters. It is used on cement mineral plasters, cement lime, concrete and old aqueous dispersion paints, resistant to wear and washing.
Main characteristic elements:	<ul style="list-style-type: none"> improves the adhesion of the plaster to the underlying coat and contributes to increasing the system's resistance to solar radiation, humidity and alkalis waterproof and water vapour permeable (according to SR EN 1062-3:2008) easy to apply quick drying at ambient temperature environmentally friendly
Compatibility	G7104 primers should not be mixed with products other than those recommended by the manufacturer.
Shelf life in packaging:	<ul style="list-style-type: none"> 48 months from the date of manufacture, subject to compliance with packaging and storage provisions.
Packaging:	Packed in 2.5kg, 7kg and 25kg net capacity PVC containers
Storage:	in closed, dry, covered, ventilated spaces, protected against weather and solar radiation, away from fire sources, at temperatures between 5 - 30°C.
Shipping:	The products are shipped by covered means of transport according to the regulations in force.
Certification:	G7104 product has a technical agreement drawn up by URBAN-INCERC Bucharest and issued by the Permanent Technical Council for Constructions - Bucharest.

TECHNICAL QUALITY CHARACTERISTICS

Table no.1

Product technical data:

Item No.	Characteristic name	MU	Characteristic value	Test method
a) Product characteristics				
1	Appearance	-	viscous suspension, with quartz particles	visual
2	Non-volatile substance content, 0.5g/50cm ² , 125°C, 25min	%	61 ± 2	SR EN ISO 3251:2019
3	Density, 23 °C	g/ml	1.5 ± 0.05	SR EN ISO 2811-1:2016
b) Film characteristics				
1	Appearance	-	matte, with quartz particles	visual
2	Drying time at 23±2°C, 50± 2% relative humidity: -Dry to handle- (Type D)	min.	60	ASTM D 1640M-14 (2018)

<u>Application details:</u>	G7104 is applied diluted maximum 10% with clean cold water (15-25 °C).
<u>Methods of application:</u>	<ul style="list-style-type: none"> • brushing • rolling
<u>Re-coating period:</u>	<ul style="list-style-type: none"> • max. 24 hours
<u>Specific consumption:</u>	<ul style="list-style-type: none"> • approx. 300 g/m²/coat, depending on the thickness of the applied coat and the roughness of the base surface. <p>Practical consumption is of 1.2 – 1.5 x theoretical consumption, according to application conditions (surface geometry, application method, environmental conditions).</p>
<u>Drying time:</u>	Drying times depend on temperature and film thickness and are prolonged by decreasing temperature and increasing film thickness.

Application instructions

<u>Product preparation:</u>	Before opening the package, remove any traces of water, oil, grease or other mechanical impurities to prevent contamination of the product. The product is conditioned at 10-30 °C. Mix the content manually or mechanically to homogenise.
<u>Preparation of surfaces for application:</u>	<p>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.</p> <ul style="list-style-type: none"> ➤ New, plastered surfaces: <ul style="list-style-type: none"> • smooth by rubbing with pumice stone, sandstone, well-fired brick or with a piece of pine wood, in circular movements and keeping permanent contact with the surface of the plaster; for large areas, use electric sanding machines • existing cracks are opened with a knife and repaired with quick setting cement paste • plasters that are found to be unsuitable by hammering are removed completely, up to the masonry; if the area is small, it is repaired with quick setting cement paste; on large areas, grout of the same type as the existing plaster is used. • once the repaired area is completely dry, proceed to smoothing; remove the resulting dust with brushes, brooms or blow with compressed air • larger sand particles, visible on the plaster surface, should be removed as they will detach over time together with the finish, by touching • during the entire period of repair, the surface temperature should be at least 5 °C • new plaster should be allowed to dry and cure for at least 7 days (depending on its thickness) before applying the finishing coat. ➤ New concrete surfaces: <ul style="list-style-type: none"> • new concrete is strongly alkaline and chemically reactive. The moisture content beneath the surface is important for the durability of the coating. New concrete needs 28 days to harden and dry before application. If the decorative finish is applied before this period, the risk of cracking increases. • surfaces must be smooth, flat and dry • all pores remaining after casting or holes occurring during transport, assembly or casting are filled with lime cement grout or suitable sealing materials • protruding burrs and flashes will be removed • oil stains (remaining from casting moulds) and cement slurry are cleaned off with a sanding stone, wire brushes or by sandblasting • surface cracks are repaired with special quick-setting cements, resistant to moisture and temperature variations. Any crack left unrepaired can trigger the coating to peel off the surface as the surface is exposed to thermal stress, water or frost-thaw. ➤ Surfaces that have been painted before: <ul style="list-style-type: none"> • check the condition of the plaster by hammering; on the portions that come off, replaster and repair the damaged edges • old, non-sticky paints are completely removed by scraping with a steel putty knife, burning with a gasoline lamp or using special chemical solutions

- paints based on glue (clay) are completely removed
 - areas affected by fungi or mould are impregnated and thoroughly cleaned with special solutions designed for this purpose, after which they dry completely
 - possible repairs are made with cement paste or suitable sealing materials.
- Then remove the dust resulting from sanding after the repair.

Application conditions:

- relative humidity: max. 70%
- ambient temperature and surface: 10 - 30°C
- in case of exterior surfaces, do not use during rain, strong wind or low temperatures
- 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
- temperature differences at the same wall should not exceed 5 - 6°C.

NOTE:

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

Application instructions:

G7104 is applied by brushing or rolling on suitably prepared surfaces.
Apply 1 of G7104 primer diluted max. 10% with clean cold water (10 -30°C), depending on the porosity and nature of the surface. Apply KTE7320 silicone plaster after a maximum of 24 hours.

Remark:

Wash the application tools with water immediately after use.
Do not use below +5°C.

Security Data:

See the product safety data sheet.

Occupational safety:

All handling, shipping, storage and use operations must be carried out in full compliance with fire prevention, occupational health and safety and hygiene regulations.

Environmental protection measures:

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 rinse 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.