COLORLAK

E*314
KC PUTZ SILIKON PROFI
Silicone decorative "floated" plaster

QAD: E1314-… 1.5 mm, E2314-… 2.0 mm

Use: The KC PUTZ SILIKON PROFI E*314 silicone decorative plaster is a so-called "floated" (smooth) plaster with high hydrophobicity (bead effect), higher self-cleaning ability (due to a higher content of silicone component), with higher protection against biological pollution (algae, mosses) and increased resistance to mechanical damage. The plaster is intended for indoor and outdoor use as a final treatment of smooth masonry surfaces, lime, lime-cement plasters, concrete, aerated building materials, fibreboards, chipboards, cement chipboards and plasterboards (only for interior) and also as a final surface treatment of thermal insulation systems. It is designed for areas with increased dustiness and adverse climatic conditions. It is fully washable, highly resistant to weather conditions with a characteristic long life and stability of colour shades. It is very flexible and more resistant to mechanical damage (reinforcing fibres).

Advantages:
- extreme resistance to climatic influences and UV radiation
- excellent vapour permeability and high water repellency
- higher self-cleaning ability
- long-term protection against biological pollution
- higher mechanical resistance – reinforcing fibres
- excellent processibility

Colour shades: White shade and colour shades according to the TSCL sample books and others as required by the customer.

Graining – grain size:

Designation	Grain size
E1314	1.5 mm
E2314	2.0 mm

Application and conditions:

Substrate: must be dry, mature (new mineral plaster for at least 10 days, ETICS bottom layer at least 5 days), cohesive, free of dust, loose parts, grease, biotic attack and water-insulated. Biologically contaminated substrates (by fungi, moulds or algae) should be treated with a suitable biocidal product (e.g. ČISTIČ FASÁD V1920 façade cleaner) and then mechanically removed (under wet conditions). Irregularities must be repaired and primed with EKOFAS E0204. The substrate must be flat to minimize consumption and achieve the required structure. Before using the KC PUTZ SILIKON PROFI E*314 plaster, prime the substrate with EKOFAS E0204 in a shade identical to the shade of the plaster.

Preparation of the material: The plaster is intended for direct application. If necessary, slight dilution of max. 1–2% water is possible. Stir the plaster at low speed to prevent foaming of the material.

Application: Not earlier than 6–12 hours after application of the primer, after thorough stirring apply KC PUTZ SILIKON PROFI E*314 with a stainless steel trowel in grain thickness. The plaster can also be sprayed. After the plaster has partially hardened (the time depends on the air temperature and humidity), pattern the plaster to the desired structure with a plastic trowel. The plaster must be applied in one area without interruption. It is recommended to coat visually complete surfaces in one working width and from one production batch. A short interruption of work can be allowed on the border of a solid surface and at the corner. The drying time is approximately 12–24 hours depending on the temperature and humidity of the air. It is fully matured in 3–4 days. The recommended application temperature of the environment, substrate and plaster is from +5 °C to +25 °C. Avoid painting in direct sunlight or in rainy and high relative humidity. The plaster must be protected against such influences also during the drying or curing. After completing the surface treatments, put the scaffolding floors

vertically to prevent damage to uncured plasters or contamination by rainwater rebounding from the floors. Used tools and stained places must be immediately washed with water as the dried plaster is very difficult to remove.

Caution: A worker applying the KC PUTZ SILIKON PROFI E*314 plaster should be trained by a technician of COLORLAK, a.s. For thermal insulation systems, it is recommended to use colour shades with a degree of reflectivity higher than 30 (dark shades).

Application: With a stainless steel trowel, by spraying.
Decorating: With a plastic trowel.

Thinner: Water.
Thinning: The plaster is intended for direct application (if necessary, dilute with 1–2% water max.)
Washing with pressurized water: At the earliest 2–3 months after application, depending on the season.

Properties and technical parameters of the plaster:

Properties (in liquid state)	Value	Tested in accordance with
Density [g/cm^3]	1.65–2.00	CSN EN ISO 2811-1
Drying (depending on temperature)	within 24 hours, fully matured in 3–4 days	Methodology of the producer
Non-volatile compound content (2 hours, 105 °C) [% wt.]	min. 82	CSN EN ISO 3251

Parameter	Value	Tested in accordance with
Diffuse equivalent of air layer thickness s_d [m] (plaster thickness of 1.5 mm)	0.27	CSN EN ISO 7783
Water vapour permeability category	V_2	CSN EN 15824
Water penetration rate coefficient w_{24} [kg/m^2 h$^{0.5}$]	0.08	CSN EN 1062-3
Water permeability category in liquid phase	W_3	CSN EN 15824
Cohesive strength [MPa]	> 0.5	CSN EN 1542
Reaction to fire	B-s2, d0	CSN EN 13501-1+A1
Thermal conductivity $\lambda_{10,dry}$ [W/m·K], P = 50%	0.537	CSN EN 1745
Thermal conductivity $\lambda_{10,dry}$ [W/m·K], P = 90%	0.583	CSN EN 1745

Consumption, spreading rate: depending on grain size about:

Designation	Grain size	Consumption	Spreading rate	Spreading rate of package (25 kg)
E1314	1.5 mm	2.4–2.8 kg/m^2	0.35–0.41 m^2 of 1 kg	8.75–10.25 m^2
E2314	2.0 mm	3.3–3.7 kg/m^2	0.27–0.30 m^2 of 1 kg	6.75–7.50 m^2

Packaging: Plastic buckets á 25 kg.
Shelf life: At temperatures of 5–25 °C for the warranty period indicated on the package of the coating material. The product must not freeze during transportation and storage.

Disposal: Containers/unused product should be handed over to a person authorised for disposal of wastes or to a hazardous waste collection point established by the local authorities.

Product classification:

Signal word: **not assigned**

Hazard statements:	**Hazards identification**	
	412	Harmful to aquatic life with long lasting effects.

For details, see the Safety Data Sheet of this product.

"The user is responsible for correct use of the decorative plaster or for the composition and correct application of the whole system, i.e. the user must always consider all circumstances – conditions of application and processing that could affect the final quality of surface treatment.
A complaint relating to colour shades and plaster structure can be acknowledged only under the condition of a previously prepared test coating on a small surface in accordance with the mandatory technological process, which accompanies the complaint. No claims filed after using up the product will be taken into consideration. COLORLAK, a.s. reserves the right to change data in technical and advertising materials without any prior notice."

"Technical recommendations contained in this Catalogue Sheet are given based on our experience and best knowledge of the state of the art in science and practice; they are not binding and they do not constitute any obligations unless expressly defined in the purchase contract."

Marketing, 4/2020