

SPEKTRA Facade Silicone

USE

For the long-term protection and decoration of facades and interior wall surfaces.

It is suitable for painting of lime-cement, dispersion, silicate and silicone plasters as well as for the covering of the old dispersion, silicate and silicone coatings.

CHARACTERISTICS

- Water thinnable, health and environment friendly paint
- Resistant to weather influences and to harmful industrial atmosphere
- Highly water repellent and vapour permeable
- Easy application

TECHNICAL DATA

PRODUCT TYPE	silicone emulsion and acrylic copolymer, pigments, fillers and special additives in water
COLOUR SHADES	white, colour shades as ordered
TINTING	possible with colourants, which are suitable for water-based paints, containing only inorganic pigments (3 to 5 %)
DENSITY	1,37 – 1,45 kg/l
WATER ABSORPTION W_{24} (EN 1062-3:2008)	0,05 kg/m ² h ^{0,5} (class W ₃ , low water uptake)
WATER VAPOUR PERMEABILITY s_d (EN ISO 7783:2012)	0,073 m (class V ₁ , high water vapour permeability)
THINNING	with water up to 5 – 10 %
EU VOC category and limits	IIA(a), 30 g/l (2010); the product contains: max. 5 g/l
PACKAGING	2 l, 10 l
SHELF LIFE	The shelf life of the originally closed and suitably packed product (temperature from +5°C to +35°C, in dry place) is until the date indicated on packaging. IT SHOULD NOT FREEZE!

INSTRUCTIONS FOR USE

APPLICATION	roller, brush, spraying
WORKING CONDITIONS	min. +8°C air, surface and paint
DRYING (T = +20 °C, rel hum. 65%)	The coating is dry and suitable for overcoating after 6 – 10 hours.
COVERAGE	Theoretically: 5 – 7 m ² with 1 l in 2 coats. Practical consumption depending on permeability and surface roughness.
CLEANING OF TOOLS	immediately after use with water

SURFACE PREPARATION

The surface should be free from dust and impurities. We recommend washing with water under pressure or vapour. Remove old crumbly coats to the firm surface. Polish rough and uneven surfaces with the material, having the same composition as the surface itself (mortar or cement mortar), let dry thoroughly (for each cm thickness of a new plaster, drying time is 7 – 9 days at the normal weather conditions). Remove crumbly particles of old facades on lime plaster mechanically and renew.

Before painting (renovation) of the already painted surfaces, old coats should be checked for suitability, firmness and adhesion.

Prior to painting, the surface should be dry and firm.

Do not apply **SPEKTRA Façade Silicone** in rain, fog, strong wind. In sun the facade should be shaded in order to avoid uneven drying, influencing the coating quality.

Apply biocide agent **SPEKTRA Sanitol** to facade surfaces, which are attacked by mould and algae. After facade surfaces have dried, remove mould mechanically. Repeat this procedure several times, depending on the intensity of the attacked surface. Add **SPEKTRA Anti Mould** to **SPEKTRA Façade Silicone** to prevent the growth of microorganisms for a longer period.

Remove house fungus on interior wall surfaces mechanically, afterwards apply biocide agent **SPEKTRA Sanitol** to the attacked surfaces. Remove saltpeter with a brush and impregnate the surface with **SPEKTRA deep impregnation**.

COATING SYSTEMS

In the table below, the stated systems are the examples of the possible preparation and protection of different surfaces. Before the application of a definite system, the facility or object should be checked thoroughly and estimated, if possible, the proposed protection should be tested on the surface.

SURFACE	SURFACE PREPARATION	IMPREGNATION	TOP COAT
<u>Lime-cement plasters</u>			
- new			
- old			
<u>Dispersion plasters</u>			
- new			
- old	if necessary, cleaning, removal of crumbly particles, repair of damaged spots	1x SPEKTRA silicone impregnation	2x SPEKTRA Façade Silicone
<u>Silicone plasters</u>			
<u>Silicate plasters</u>			
<u>Surface painted with</u>			
- dispersion paints			
- silicone paint			
- silicate paint			

REMARKS

- Mix paint thoroughly before use.
- If you thin paint more than recommended, the coverage decreases.
- Drying time increases at low temperatures and higher air humidity.
- The dampness of surface, which will be painted, may be maximum 3 %.
- At the selection of a colour shade, we recommend lighter colour shades ($Y > 25$) due to longer stability of a colour film. The surfaces, which are painted with intensive colour shades are heated much more than those painted with lighter colours, therefore the coat and surface may be damaged within time.
- We do not accept complaints about changes in the appearance of a shade due to fading. We therefore recommend consulting our technical service before choosing a shade.