



SPEKTRA acrylic paint for concrete

USE

For the protection and decoration of concrete and other cement and lime-cement surfaces, suitable for the floor and wall surfaces. It is used for the painting of concrete floors in cellars, garages, boiler rooms and other rooms. It is suitable for the painting of socles and other exterior concrete surfaces.

CHARACTERISTICS

- One-component, water thinnable
- Easy application
- CO₂ impermeability
- Resistance to water absorption
- High mechanical and chemical resistance (fuel, motor oil, water salt solution, cleaners)
- Easy maintenance

TECHNICAL DATA	
PRODUCT TYPE	acrylic copolymer, pigment, fillers and special additives in water
COLOUR SHADES	white and 7 standard colour shade
TINTING	mixing of colour shades in optional ratio
DENSITY	1,30 ± 0,02 kg/l
WATER ABSORPTION W ₂₄	0,054 kg/m ² h ^{0,5}
WATER VAPOUR PERMEABILITY s _d	0,33 m
ADHESION to concrete	2,35 N/mm ²
GLOSS	matt
THINNING	with water 5 % to 10 %
EU VOC category and limits	IIA(i), 140 g/l (2010); the product contains: max. 90 g/l
PACKAGING UNITS	0,75 l, 2 l, 10 l
SHELF LIFE	The shelf life of the originally closed and suitably packed product (temperature from +5°C to +35°C, dry place) is until the date indicated on packaging. IT SHOULD NOT FREEZE!

INSTRUCTIONS FOR USE	
APPLICATION	roller, brush, spraying
WORKING CONDITIONS	temperature of paint, air and surface minimum +5°C
DRYING (T = +20°C, rel. hum. 65%)	dry and suitable for the next coat after 8 h
COVERAGE	theoretical: 3 - 4 m ² with 1 l in 2 coats Practical coverage depends on permeability and roughness of the surface.
CLEANING OF TOOLS	immediately after use with water

SURFACE PREPARATION

As floor surfaces are exposed to high wear, the quality preparation and painting of the surface are very important. The surface must be dry, cured and protected against capillary penetration of vapour (hydroinsulated). Remove all crumbly particles, powder, oils, grease and other impurities. We recommend vapour washing under pressure. The concrete surfaces, which are deeply soaked with grease, oils e.c. can not be sufficiently cleaned, therefore we recommend to remove them and renovate. Very smooth surfaces should be sanded.

Check the adhesion of the old coats in the already painted surfaces. Remove completely old coats, which have worse adhesion and fall off. If the adhesion of old coats is good, sand them before painting in order to improve permeability.

Smoothen irregularities and surface damages with an adequate sealing compound. In case concrete is damaged to the reinforcement, remove concrete, sand the reinforcement to metal gloss and protect with a quality corrosion protection coating. The damaged spots should be laid with the suitable sealing compounds.

Prior to the first painting, new concrete surfaces should be at least one month old.

Apply **SPEKTRA biocide agent SANITOL** to surfaces, which are attacked by mould and algae. After surfaces have dried, remove mould mechanically. Repeat this procedure several times, depending on the intensity of the attacked surface.

If necessary remove saltpetre 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>Not painted concrete</u> - new - old, not chalked - old, chalked	cleaning, removal of crumbly particles, repair of damaged spots	1x SPEKTRA acrylic impregnation	2x SPEKTRA acrylic paint for concrete
<u>Painted concrete</u> - undamaged coatings - damaged coatings		1x SPEKTRA deep impregnation	
<u>Lime-cement plasters</u>		1x SPEKTRA acrylic impregnation	
Fiber cement, wood-cement and other not porous substrates		1x SPEKTRA deep impregnation	

REMARKS AND SPECIFICS

- Mix paint thoroughly before use.
- If the paint is thinned more than recommended, the coverage of the coating decreases.
- At the lower temperatures and higher air humidity, the drying time will prolong.
- In case the substrate is not permeable, impregnation will not penetrate into the substrate and forms a shiny, separated coat (the consequence is a bad paint adhesion). Prior to the impregnation and painting the surface should be sanded.
- We do not recommend **SPEKTRA acrylic paint for concrete** for the painting of horizontal concrete surfaces, where water may remain for a longer period.