

SPEKTRA Facade Universal

AREAS OF USE

For the protection and decoration of facades and all other outdoor mineral wall surfaces. Suitable for the renovation painting of all thermal insulation systems based on Styrofoam and mineral wool, painting of all types of mineral and dispersion plasters, fibre cement and wood cement boards, concrete and for the coverage of old dispersion coatings.

PROPERTIES

- Reinforces and bridges micro cracks
- Biocidal protection of paint film
- Colour stability (inorganic pigments)
- Resistance to wearing (silica filler)
- High degree of water resistance
- Vapour permeability
- Resistant to weather effects and harmful industrial atmospheres

TECHNICAL DATA

COMPOSITION	Acrylate copolymer, pigment, fillers and special admixtures in water
COLOUR SHADES	White, HGMIX
TINTING	Possible with pigment pastes, which are suitable for water-based paints and contain only 3% to 5% inorganic pigments
DENSITY	1,46 – 1,52 kg/l
WATER ABSORPTION W24 (EN 1062-3:2008)	0,066±0,02 kg/m ² h ^{0.5} (class W3, low water uptake)
WATER VAPOUR PERMEABILITY sd (EN ISO 7783:2012)	0,18±0,02 m (class V2, medium water vapour permeability)
THINNING	5 – 10% with water
EU VOC categories and limits	IIA(c), 40 g/l (2010); product contains: max. 12 g/l
PACKAGING UNIT	white: 2 l, 10 l and 15 l HGMIX: 2 l, 10 l and 15 l
SHELF LIFE	The product stored in the original closed packaging (temperature from +5°C to +35°C, in a dry space) can be used up to the best before date indicated on the packaging. PREVENT FREEZING!

INSTRUCTIONS FOR USE

APPLICATION	Roller, brush
WORKING CONDITIONS	The temperature of the coating, air and surface should be a minimum of +5 °C.
DRYING (T= +20 °C, at 65% rel. humidity)	Dry and suitable for subsequent application after 6 - 10 hours.
COVERAGE	Theoretically: for two-layer application 1L per 2 – 4 m ² of surface. Actual consumption is dependent on the thickness of application and roughness of the surface.
CLEANING OF TOOLS	With water immediately following use.

SURFACE PREPARATION

All dust and impurities should be removed from the surface. Washing with pressurised water or steam is recommended. Remove old, loose coats until a solid surface is obtained. Smooth rough and uneven surfaces with a material whose composition is similar to that of the surface (mortar or cement mortar) and allow them to dry thoroughly. (Each cm of new roughcast requires 7 - 9 days of drying under normal weather conditions.) All peeling pieces from old mineral roughcast facades must be manually removed and replaced with new roughcast. The suitability, hardness and adhesion of old coatings must be checked prior to coverage (renovation) of already-coated surfaces. The surface must be dry and hardened before painting. Do not apply **SPEKTRA Façade Universal** in the rain, fog or strong winds. The facade should be shaded in sunny weather to prevent uneven drying, which affects the quality of the coating.

Facade surfaces contaminated with mould and algae should be coated with the biocide agent **SPEKTRA SANITOL** prior to painting. When the facade surfaces have dried, remove the mould manually. The process should be repeated several times, depending on the severity of the contamination.

COATINGS SYSTEMS

The following table lists examples of possible preparations and protection of various surfaces. A thorough examination and expert assessment of the state of the building and eventual test of the proposed protection on the building is required prior to application of the individual system.

SURFACE	SURFACE PREPARATION	IMPREGNATION	FINISHING COATING
Lime-cement plasters roughcast - new - old		1x SPEKTRA Impregnation Acryl Special or 1x SPEKTRA Impregnation Acryl	
Dispersion plasters roughcast - new - old		1x SPEKTRA Impregnation Acryl Special or 1x SPEKTRA Impregnation Acryl	
Thermal insulation systems facade paint - based on EPS with acrylic plasters roughcast - based on MW with silicone plasters roughcast	Cleaning, removal of loose particles, repair of damaged areas if required	1x SPEKTRA Impregnation Acryl Special or 1x SPEKTRA Impregnation Acryl 1x SPEKTRA silicone impregnation	2x SPEKTRA Façade Universal
Concrete, fibre cement and other non-porous surfaces		1x SPEKTRA deep impregnation	
Surface painted with dispersion paints hues		1x SPEKTRA Impregnation Acryl Special or 1x SPEKTRA Impregnation Acryl	

NOTES AND SPECIAL FEATURES

- Mix the paint well before using.
- Thinning the paint over the recommended dose will decrease coverage.
- Drying time increases at lower temperatures and higher air humidity.
- Maximum humidity of the surface being painted is 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.