

PRODUCT DESCRIPTION

Single-component, fast-drying impregnating primer based on modified acrylic binder and organic solvents.

FEATURE

Application:

- at subzero temperatures.

Provides:

- overcoating with alkyd, acrylic, chlorinated rubber and polyurethane coatings. .

RECOMMENDED TO USE

Concrete surfaces:

- as an impregnating primer for porous surfaces, such as concrete, wood, brick, plaster, etc., in an anticorrosive protection system, which are under the conditions of atmospheric corrosive effects of categories C2, C3, C4 and C5 (ISO-12944-2: 2018).

COMPATIBLE COATINGS

Depending on the operating conditions the material can be used with different types of coatings.

- Single pack, moisture cured polyurethane coatings (1pack PUR) of Welesgard.
- Single pack, alkyd (1pack AK) or acrylic (1pack AY) coatings of Welesgard.

For details, please contact Welesgard Technical Sales Support.

TECHNICAL DATA

Appearance	
Color:	Transparent
Appearance:	Matt
Material properties	
Volume solids:	28 ± 2 %
Density (at +20 °C):	1.0 ± 0.03 g/cm ³
VOC value:	648 g/l

SURFACE PREPARATION

Surface type	Minimum	Recommended
Concrete surface	SSPC-SP 13/NACE No. 6	SSPC-SP 13/NACE No. 6

AMBIENT CONDITIONS

Air temperature:	from -15 to +55 °C
Surface temperature:	from -15 to +55 °C
Relative humidity:*	85 %
Dew Point:	at least 3°C higher than steel temperature

THICKNESS & THEORETICAL SPREADING RATE

Recommended theoretical material consumption on a smooth solid surface:

0,1 ltr /m² - moisture curing systems one component polyurethane coatings.

Consumption table	For 1pack
Consumption (ltr /m ²)	0,1 ltr/m ²
Dry Film Thickness (DFT):	20 µm
Wet Film Thickness (WFT):	71 µm
Theoretical Spreading Rate (TSR):	10 m ² /ltr

Note:

- The conversion flow table includes only theoretical data.
- Practical coverage depends on the application conditions, type of structure to be painted, roughness of the surface and application method.
- Qualitatively primed substrate should have a uniform matte shine. Less impregnated places should be primed again.

DRYING TIME

For DFT of 0,1 l/m ²	-10 °C	0 °C	10 °C	25 °C	40 °C
Dry to touch	3 h	1 h	30 min	20 min	10 min
Dry to recoat minimum	5 h	3 h	1.5 h	1 h	40 min
Cure for service	-	-	7 d	5 d	3 d

Note: - Drying time is influenced by Relative Humidity, temperature, ventilation conditions and film thickness.

For details, please contact Welesgard Technical Sales Support.

APPLICATION DATA

Stirring: It is a single pack ready to use material. Prior to use, it must be thoroughly stirred with a low speed mixer, avoiding air entrapment. Constant stirring is not required. Before opening and stirring the temperature of material must be at least 3°C above dew point.

Thinning: The addition of thinner is usually not necessary. If necessary WG-Welethinner AA can be added from 5 up to 10 % by volume.

Note: In the case of using thinner other than recommended, the manufacturer not takes responsibility for any possible reduction in the quality of the coating!

Cleaning: After work equipment shall be cleaned with the thinner WG-Welethinner AA.

APPLICATION METHODS

Spray application: Airless spray is the main method of application. For other spraying methods, viscosity correction may be required.

Brush: Recommended for stripe coat application or minor repair touch-up only.

Roller: Roller can be used for buildup DFT and repair purpose only. Do not use roller for application of priming coat.

PACKAGING

Volume (liters)	Size of containers (liters)
10/20	10/20

STORAGE & SHELF LIFE

The product must be stored in original sealed containers. The storage conditions are to keep the containers in a dry, well ventilated space away from source of heat and/or ignition.

Storage temperature:	from 5 to 30 °C
Shelf Life	1.5 year

Note: After lasting storage primer shall be stirred thoroughly until its precipitation is spread over the suspension homogeneously. Precipitation in primer does not change its properties or worsen its quality.

After the expiration date has passed, it is necessary to check the quality of the paint material.

SAFETY

Use with adequate ventilation. Do not inhale aerosol. Avoid contact with skin. After contact with skin, wash immediately with detergent, soap and water. In case of contact with eyes, rinse immediately with water and seek medical advice immediately.

For detailed information on the health and safety protection for use of this product, see Safety Data Sheet (SDS).

IMPORTANT NOTE

The above-mentioned information is given according to our laboratory tests and practical application experience. The manufacturer takes into consideration the fact that the material can be used out of control; the manufacturer cannot give guarantees except of the material quality.

The manufacturer has the right to improve the product and change the above-mentioned data without preliminary notification.

THE PRESENT TECHNICAL DATA SHEET REPLACES ALL PREVIOUS EDITIONS.