

PRODUCT DESCRIPTION

One-component semi-gloss modified acrylic based coating.

FEATURE

Application:

- at subzero temperatures.

Provides:

- high resistance to UV light and atmospheric influences;
- long-term protection when used in systems with other compatible Welesgard coatings.

RECOMMENDED TO USE

Steel surfaces:

- for structures in low, medium, and high atmospheric corrosivity categories C2, C3 and C4 (ISO-12944-2: 2018);

Concrete surfaces:

- without priming, as a protective and moisture-proof coating.

Non-ferrous surfaces:

- as protective and decorative coating.

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:	RAL colours
Appearance:	Semi-matt coating
Material properties	
Volume solids:	44 ± 2 %
Dry solids content:	730 g/l
Density at 20°C:	1,2±0.05 g/cm ³
VOC:	490 g/l

SURFACE PREPARATION

Surface type	Minimum	Recommended
Surface profile	Ry5 (30–75 µm) (ISO 8503-1)	Ry5 (30–75 µm) (ISO 8503-1)
Steel surfaces	St 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
Non-ferrous surfaces	Clean with alkaline solution, rinse with water (SSPC-SP 1)	Light surface roughness ISO 8501-2, ISO 12944-4
Concrete surfaces	SSPC-SP 13/NACE No. 6	SSPC-SP 13/NACE No. 6

AMBIENT CONDITIONS

Air temperature:	from -0 to +50 °C
Surface temperature:	from -0 to +50 °C
Relative humidity:	85 %
Dew Point:	at least 3°C higher than steel temperature

Note: The temperature of the material during application should not be below + 10 ° C.

THICKNESS & THEORETICAL SPREADING RATE

	Min.	Med.	Max.
Dry Film Thickness:	50 µm	70 µm	100 µm
Wet Film Thickness:	115 µm	160 µm	225 µm
Spreading Rate:	8.8 m ² /l	6.3 m ² /l	4.4 m ² /l

Note: - The maximum coating thickness is typically used on concrete surfaces.
- Practical coverage depends on wind conditions, structure to be painted, roughness of the surface and application method.

DRYING TIME

For DFT of 80 µm	23°C
Dry to touch:	0.5 h
Dry to handle:	2 h
Dry to recoat, min:	5 h

Note: Drying and curing time will depend on humidity, temperature, ventilation conditions, and film coating 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 the dew point.

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

Cleaning: WG-Welethinner AA.

For details, please contact Welesgard Technical Sales Support.

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: Prohibited to use roller for application of priming coat. Roller could be used to build up the dry film thickness.

PACKAGING

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

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 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.