

PRODUCT DESCRIPTION

Two components flexible, high-solids, fast drying aliphatic polyurethane coating with anti-corrosion pigments.

FEATURE

Provide:

- high strength of the coating;
- high impact resistance and elasticity;
- fast drying;
- high resistance to sunlight and UV radiation;
- well preserves shine.

RECOMMENDED TO USE

Steel surface:

- as a single-layer coating in conditions of low and medium atmospheric corrosion categories C2-C3 (ISO-12944-2 / 2018);
- as a top layer (when coating on various types of primers) under the corrosivity categories C2-C4, C5 and CX (ISO-12944-2 / 2018);
- maintenance coating over old painted surfaces.

Non-ferrous and galvanized surfaces:

- as an atmospheric protective coating;

Concrete surface:

- in the industry;
- at civil engineering objects.

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.
- Two-component epoxy coatings (2pack EP) of Welesgard.
- Two-component polyurethane coatings (2pack PUR) of Welesgard.

(For details please contact the Welesgard Technical Sales Support).

TECHNICAL DATA

Appearance	
Color:	RAL
Appearance:	Semi-Gloss coating
Material properties	
Volume solids (mixed):	65% ± 2%
Total mass of solids:	890 g/l
VOC value:	310 g/l
Dry heat resistance (ASTM D2485):	120°C

Note: If it necessary to have gloss appearance Sulacover 2K LQ - lacquer, could apply on top.

SURFACE PREPARATION

Surface type	Minimum	Recommended
Surface profile	Ry5 (30–75 µm) (ISO 8503-1)	Ry5 (30–75 µm) (ISO 8503-1)
Primed and previously painted surfaces	P St3; P Ma ISO 8501-2, ISO 12944-4	P Sa2; P Ma ISO 8501-2½, ISO 12944-4
Steel surfaces	Sa 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
Surfaces of non-ferrous metals and stainless steel	Clean with alkaline solution, rinse with water. (SSPC-SP 1)	Light surface roughness ISO 8501-2, ISO 12944-4
Galvanized 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**

Ambient air temperature:	from +5 to +50°C
Surface temperature:	from +5 to +50°C
Paint Material temperature:	+5°C
Relative humidity, below:	85%
Dew Point	at least 3°C higher than steel temperature

**THICKNESS &
THEORETICAL
SPREADING RATE**

	Min.	Middle	Max.
Dry Film Thickness:	60 µm	80 µm	150 µm
Wet Film Thickness:	90 µm	123 µm	230 µm
Spreading Rate:	11.1 m ² /l	8.1 m ² /l	4.3 m ² /l

Note: Practical coverage depends on the application conditions, structure to be painted, roughness of the surface and application method.

DRYING TIME

(Dry Film Thickness 80 µ)	23°C
Dry to touch	1.5 h
Dry to handle	3 h
Min. overcoating interval	3 h
Full curing	7 d

Note: Drying times and polymerization depend from the relative humidity, temperature, ventilation conditions and the thickness of the film.

(For details please contact the Welesgard Technical Sales Support).

APPLICATION DATA

Mixing ratio: 4:1

Resin	4 parts by volume
Curing Agent	1 part by volume

Stir resin and curing agent separately (slow stirring) and then mix both components thoroughly with propeller stirrer. Before use the temperature of packaging and material should not be less than 3 ° C higher than the dew point.

Add thinner only after both components have been thoroughly mixed and stir the mixture.

Thinning:

If needed 5-15 % WG-Welethinner PU or WG-Welethinner EP may be added.

Note: - Adding a thinner will increase the drying time.

- In the case of using solvents other than those recommended, the manufacturer is not responsible for any possible reduction in the quality of the coating!

Cleaner:

WG-Welethinner EP

Pot life (+23 °C):

Approx. 1 hour after mixing

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 touch-up, stripe coating and small areas only. It is necessary to provide a nominal coating thickness.

Roller:

Could be used for repair or minor touch-up work.

Use roller on concrete surfaces.

PACKAGING

	Volume (litres)	Size of containers (litres)
Comp. A	8/16	10/20
Comp. B	2/4	2.5/4.2

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 ignition.

Storage temperature:	from 5 to 30°C
Component "A"	2 years
Component "B"	1.5 years

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.