

PRODUCT DESCRIPTION

Two components flexible, high-solids, fast drying aliphatic polyurethane coating with aluminium pigment.

FEATURE

Provide:

- high anticorrosive properties due to aluminum pigments;
- high resistance to sunlight and UV radiation.

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.

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):	45% ± 2%
Total mass of solids:	530 g/l
VOC value:	500 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 8501-2, ISO 12944-4
Steel surfaces	Sa 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)

AMBIENT CONDITIONS

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

THICKNESS & THEORETICAL SPREADING RATE

	Min.	Med.	Max.
Dry Film Thickness:	40 µm	60 µm	80 µm
Wet Film Thickness:	89 µm	133 µm	178 µm
Spreading Rate:	11.2 m ² /l	7.5 m ² /l	5.6 m ² /l

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

DRYING TIME

(Dry Film Thickness 80 µ)	23°C
Surface dry	30 min
Dry to touch	3 h
Min. overcoating interval	3 h
To varnished	15 min
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 % thinner 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

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.

APPLICATION METHODS**PACKAGING**

	Volume (litres)	Size of containers (litres)
Comp. A	8	10
Comp. B	2	2.5

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. Eyes rinse with water immediately and call a doctor.

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.