

### PRODUCT DESCRIPTION

Two-component, high solids, aliphatic acryl-polyurethane topcoat.

### FEATURE

Provide:

- curing at low temperatures;
- good gloss and colour retention;
- withstands to sunlight and UV radiation.

### RECOMMENDED TO USE

Steel surfaces:

- as the top coat in corrosivity categories C2-C4, C5 and CX (ISO-12944-2 / 2018), for epoxy and polyurethane systems.

### COMPATIBLE COATINGS

Depending on the operating conditions the material can be used with different 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- colours
Appearance:	Semi-Gloss coating
Material properties	
Volume solids (mixed):	65% ± 2%
Total mass of solids:	1050 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
Primed and previously painted surfaces	P St3; P Ma ISO 8501-2, ISO 12944-4; ISO 8504-3	P Sa2; P Ma ISO 8501-2, ISO 12944-4; ISO 8504-3

### 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.	Max.
Dry Film Thickness:	50 µm	80 µm
Wet Film Thickness:	80 µm	125 µm
Spreading Rate:	12,5 m <sup>2</sup> /l	8,0 m <sup>2</sup> /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)	10°C	23°C
Dry to touch	2 h	50 min
Dry to handle	5 h	2 h
Min. overcoating interval	30 h	12 h

**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: 9:1**

Resin	9 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 up to 10 % thinner WG-Welethinner PU may be added.

**Cleaner:**

WG-Welethinner PU

**Pot life (+23 °C):**

Approx. 1 hour after mixing

**APPLICATION METHODS****Spray application:**

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

**Conventional spray:**

It is advisable to use on small structures.

**Brush:**

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

**Roller:**

It is not recommended

**PACKAGING**

	Volume (litres)	Size of containers (litres)
Comp. A	9	10
Comp. B	1	1

**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.***