

### PRODUCT DESCRIPTION

Two-component, high solids, polyurethane topcoat with an aliphatic isocyanate curing agent.

### FEATURE

- The paint cures at low temperatures.
- Has a good gloss and colour retention.
- Withstands sunlight and UV radiation.

### RECOMMENDED TO USE

Recommended to use as a topcoat in:

- atmospheric corrosivity classes C2 and C4, C5-I and C5-M in epoxy- and polyurethane paint systems when good gloss and colour retention is required;
- steel structures, ships, containers and vehicles for indoors and outdoors service.

### COMPATIBLE COATINGS

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

#### Primer on steel surfaces:

- WG-WELEFORCE ZINC
- WG-WELEFORCE FD
- WG-WELEFORCE PRIMER
- Epoxy coating WELEFORCE series

#### Primer on concrete:

- WG-WELEFORCE SEALER
- WG-SULACOVER 2K
- Epoxy coating WELEFORCE series

#### Top coat:

- WG-SULACOVER 2K-HG;
- WG-SULACOVER LQ.

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

### TECHNICAL DATA

Appearance	
Color:	NCS-, RAL-, KY-, SSG-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

All solid contamination that could prevent adhesion should be removed from the old surfaces. Remove salts and other water soluble contamination by wet cleaning with brush, high pressure-, steam- or alkali cleaning. Remove grease and oils by alkali-, emulsion- or solvent cleaning (ISO 8504-3, ISO 12944-4). The surfaces should be rinsed carefully with fresh water after cleaning. Old, painted surfaces, in which maximum overcoating interval has expired, additional roughening with suitable method is recommended.

### AMBIENT CONDITIONS

Ambient air temperature:	from +5 to +50°C
Surface temperature:	from +5 to +50°C
Paint Material temperature (min):	+5°C
Relative humidity, below:	80%
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 wind 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

<sup>1</sup> 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, packaging material and the temperature 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 WT-021 may be added.

### Cleaner:

WT-011

### Pot life (+23 °C):

Approx. 1 hour after mixing

Use an airless spray, electrostatic spray, brush or roller.

### Airless application recommendations:

Pressure	17-20 MPa
Nozzle orifice	0,011-0,015"
Spray angle	Depended on object
Filter	60 mesh (250 microns) To ensure that filters are clean

### Air spray

It is not recommended.

### 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

## APPLICATION METHODS

**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:** Precipitation does not change its properties or worsen its quality of paint material. After lasting storage paint material shall be stirred thoroughly until its precipitation is spread over the suspension homogeneously.

**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.***