

PRODUCT DESCRIPTION

Two-component, high-build, aliphatic polyurethane transparent high gloss varnish.

FEATURE

Provide:

- high strength of the coating;
- good impact resistance and it can be piled after a short drying time;
- withstands sunlight and UV radiation.

RECOMMENDED TO USE

Steel and concrete surfaces:

- as a varnish to improve the gloss and facilitate the cleaning of 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:	Transparent
Appearance:	Glossy
Material properties	
Volume solids (mixed):	43% ± 2%
Total mass of solids:	490 g/l
VOC value:	500 g/l

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; PMa ISO 8501-2; ISO 12944-4; ISO 8504-3

AMBIENT CONDITIONS

Ambient air temperature:	from 0 to +50°C
Surface temperature:	from 0 to +50°C
Relative humidity, below:	80%
Dew Point	at least 3°C higher than steel temperature

THICKNESS & THEORETICAL SPREADING RATE

	Min.	Max.
Dry Film Thickness:	40 µm	50 µm
Wet Film Thickness:	95 µm	115 µm
Spreading Rate:	10,8 m ² /l	8,6 m ² /l

DRYING TIME

(Dry Film Thickness 80 µ)	5°C	10°C	23°C	35°C
Dry to touch	4 h	2 h	1 h	30 min
Dry to handle	32 h	16 h	8 h	4 h
Min. overcoating interval	20 h	10 h	5 h	2.5 h
Fully cured	16 d	10 d	5 d	2 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 the 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. 4 hour after mixing

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:

Recommended for touch-up, repairs and small areas only.

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 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.