

PRODUCT DESCRIPTION

Two-component, high gloss, polyurethane transparent varnish with an aliphatic isocyanate curing agent.

FEATURE

- High-solid and contains rust preventing pigments.
- Has good impact resistance and it can be piled after a short drying time.
- Withstands sunlight and UV radiation.

RECOMMENDED TO USE

Typical used as finish coat in paint systems to improve gloss and make ease cleaning. Could be apply on wood or metal surfaces.

COMPATIBLE COATINGS

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

Primer on steel surfaces:

- Epoxy coating WELEFORCE series
- WG-SULACOVER 2K

Primer on concrete:

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

Top coat:

- WG-SULACOVER LQ.

(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

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 0 to +50°C
Surface temperature:	from 0 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:	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

¹ 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, 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 or WT-022 (slow) may be added.

Cleaner:

WT-011

Pot life (+23 °C):

Approx. 4 hour after mixing

APPLICATION METHODS

Airless spray application is recommended. For other spraying methods, viscosity adjustment may be necessary.

Airless application recommendations:

Pressure	17-20 MPa
Nozzle orifice	0,009-0,013"
Spray angle	Depended on object
Filter	60 mesh (250 microns) To ensure that filters are clean

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: 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.