

PRODUCT DESCRIPTION

Two-component priming lacquer to concrete surfaces, based on epoxy resin.

FEATURE

Application:

- Epoxy priming lacquer for damp surface.

Provide:

- high penetration ability;
- high coating bond strength to the substrate;
- overcoating with polyurethane coating without intermediate layer.

RECOMMENDED TO USE

Concrete surface:

- to impregnate and seal the top layer of concrete and other porous substrates;
- newly laid concrete as a liquid membrane to make the curing of the concrete as good as possible by preventing the evaporation of water;
- both old and new concrete floors, concrete elements, concrete walls;
- basins under epoxy coatings.

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:	Yellowish
Appearance:	Gloss coating
Material properties	
Volume solids (mixed):	100 ± 2%
Total mass of solids:	1100 g/l
VOC value:	0 g/l
Abrasion resistance EN 1504-2	Weight loss < 3000 mg
Capillary absorption and permeability to water EN 1504-2	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Impact resistance EN 1504-2	Class II: ≥ 10 Nm
Adhesion strength by pull-off test EN 1504-2	≥ 2,0 N/mm ²

SURFACE PREPARATION

Surface type	Minimum	Recommended
Concrete Surfaces	SSPC-SP 13/NACE No. 6	SSPC-SP 13/NACE No. 6

Note: The application of WG-Weleforce Sealer can be done after the concrete has dried sufficiently that no water is observed on the surface of the concrete.

AMBIENT CONDITIONS

Ambient air temperature:	from +5 to +32°C
Surface temperature:	from +5 to +32°C
Relative humidity, below:	85%
Dew Point	at least 3°C higher than steel temperature

THICKNESS & THEORETICAL SPREADING RATE

Recommended spreading rate should be kept around 3-8 m²/l
Consumption when applied by roller - 0.2-0.35 kg/m² (consumption depends on the porosity of the base).

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

DRYING TIME

	15°C	23°C
Dry to touch	7 h	5 h
Dried to walk on	24 h	20 h
Min. recoating interval	8 h	6 h
Max. recoating interval	30 h	24 h
Full curing	10 d	7 d

Note: - Drying times and polymerization depend from the relative humidity, temperature, ventilation conditions and the thickness of the film.

- If maximum recoat time is exceeded, it is necessary to make surface roughness with abrasive, rinse with clean water to remove dirt and allow drying.

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

APPLICATION DATA

Mixing ratio: 2:1

Resin	2 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 it's necessary the thinner **WG-Welethinner EP** or **Ethanol** from 10 to 35% by volume could be added.

Note: - Adding a thinner will increase the drying time.

- In the case of using thinner other than recommended, the manufacturer not takes responsibility for any possible reduction in the quality of the coating!

Cleaner:

WG-Welethinner EP

Pot life (+23 °C):

The pot life of the mixture is approx. **40 min.**

Note! Do not combine different mixed solution with each other.

APPLICATION METHODS

Spray application:

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

Brush & Roller:

It is necessary to provide a nominal coating thickness.

PACKAGING

	Volume (liters)	Size of containers (liters)
Resin (Comp. A)	6	10
Hardener (Comp. B)	3	3

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
Resin (Comp. A)	1 years
Hardener (Comp. B)	2 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.