

PRODUCT DESCRIPTION

Based on an aromatic polyurethane one-component, ready to use primer and adhesion promoter for coating system.

FEATURE

- Promote adhesion strength of coating system to plastic surfaces, e.g., thermoplastic olefin (TPOC), high density polyethylene (HDPE).
- Promote adhesion strength of coating system to Fiberglass reinforced plastics (FRP) and similar surfaces.

RECOMMENDED TO USE

Recommended to use as a primer for plastic, fiberglass reinforced plastic and similar surfaces in order to promote adhesion of the following paint system.

WG-Welepipe JW Primer is a part of **WG-Welepipe JW** paint system solution for FRP, GRP, RTRP, etc., pipes.

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

COMPATIBLE COATINGS

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

WG-Welepipe JW paint system solution:

- WG-Welepipe BG
- WG-Welepipe JW
- WG-Welepipe
- WG-Welepipe XF

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

TECHNICAL DATA

Appearance	
Color:	Yellowish liquid
Appearance:	Matt coating
Material properties	
Volume solids:	10.5 ± 2%
Density:	0.88 ± 0,02 g/cm ³
Adhesion (ISO 4624:2002):	≥5 MPa

SURFACE PREPARATION

The surface must be clean and dry. Contaminated surfaces should be cleaned with a 50/50 Isopropyl Alcohol and water mixture. A clean lint-free cloth should be used.

AMBIENT CONDITIONS

Ambient air temperature:	from 5 to 40°C
Surface temperature:	from 5 to 40°C
Paint Material temperature:	+10°C
Relative humidity, below:	80%
Dew Point	at least 3°C higher than steel temperature

Note:

The surface should be dry and clean. The surface temperature should be min 3°C above the dew point of the air.

THICKNESS & THEORETICAL SPREADING RATE

Standard Grade	Min.	Med.	Max.
Dry Film Thickness:	10 µm	15 µm	20 µm
Wet Film Thickness:	95 µm	143 µm	191 µm
Spreading Rate:	10.5 m ² /l	7 m ² /l	5.25 m ² /l

Note:

Practical coverage depends on wind conditions, structure to be painted, surface type and application method.

DRYING TIME

(Dry Film Thickness 20 µ)	10°C	23°C
Min. recoating interval	20 min.	10 min.

*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**Stirring:**

Is single component paint material and before applying the material should be stirred thoroughly with a mixer to obtain a fully homogeneous state. Before opening and stirring temperature of the material / packaging must be at least 3 ° C above the dew point.

Constant stirring is not necessary.

Thinning:

Thinning is not allowed.

Cleaner:

The equipment could be cleaned with MEK, xylene, a 1:1 solution of xylene and MEK immediately after the work is finished.

APPLICATION METHODS

Could be applied manually with even layer using roller or brush.

Primer should be applied in 2-3 several layers to achieve recommended DFT using a cross brushing/roll on technique (second layer to be applied in 90 degree direction to first layer).

The subsequent layer is applied after the previous layer has dried (see the drying time).

Note: Do not apply with a thick layer! Prevent sagging during application.

PACKAGING

	Volume (litres)	Size of containers (litres)
WG-Welepipe JW Primer	4	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 15 to 27°C
Shelf life	1 year

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.