

WRAPX® HBD 42

PRODUCT DESCRIPTION

Two-component aromatic polyurethane-based elastomeric primer/finish, high-build. Low VOC. Flexible coating with excellent anticorrosive and abrasion resistance.

RECOMMENDED USE

Used on flanges, valves of all diameters, and screw seals; can be applied over W-LUBI DSR 473 protective wax film to allow easy removal when maintenance access is needed.

CERTIFICATIONS AND APPROVALS

When supplied to comply with the ROHS Directive (Restriction of Certain Hazardous Substances), this product includes the letter R in its nomenclature description.

PACKAGING

Component A	0.24 US gal Package containing 0.13 US gal 0.95 US gal Package containing 0.57 US gal
Component B	0.13 US gal package containing 0.08 US gal 0.40 US gal Package containing 0.38 US gal

CHARACTERISTICS

Color	Gray.
Gloss	Semi-Gloss
VOC content	0.07 lb/gal
Volume Solids	100% (ISO 3233)
Dry Film Thickness	7.9 mils - 78.7 mils
Dry Heat Resistance	Maximum temperature 248 °F. The product maintains its chemical properties up to a temperature of 248 °F, but from 140°F, color and gloss variations in the paint may occur.
Theoretical Coverage	37.1 ft ² /gal without dilution at a dry film thickness of 43.3 mils. Loss factors during application are not considered.

DRYING

Drying

	50 °F	77 °F	95 °F
Touch	2 hours	1 hour	40 min
Manipulation	12 hours	7 hours	5 hours
Final	7 days	5 days	3 days

Recoat Drying

	50 °F	77 °F	95 °F
Minimum	3 hours	1 hour	40 min
Maximum	12 hours	7 hours	5 hours

Topcoat Recoat Drying

	50 °F	77 °F	95 °F
Minima	6 hours	4 hours	3 hours
Maxima	20 hours	16 hours	12 hours

SURFACE PREPARATION

Standard Surface Preparation

The performance of this product is related to the degree of surface preparation. In case of doubts, for more information, consult WEG's Technical Department.

Remove accumulated dirt using a dry brush, clean dry cloth, compressed air blow, vacuum, or a combination of these. Remove soluble salts by washing with plenty of fresh water, preferably under low pressure (up to 5,000 psi), according to SSPC-SP12/NACE No. 5 standard.

The WRAPX® coating must be applied over W-LUBI DSR 473 for release function. Other waxy or

oily release agents must only be used with prior evaluation by the WEG Technical Department.

Over Primer

The product must be applied over a specific primer. The primer must be clean, dry, and free of contaminants. The topcoat must be applied within the primer recoat interval. Consult the primer technical bulletin for correct application.

Respect the product recoat interval. If exceeded, perform light manual/mechanical sanding to break gloss and clean dust/residues for better adhesion between coats.

APPLICATION PREPARATION

Mixing	Homogenize the content of each component using mechanical or pneumatic stirring (A and B). Ensure no sediment remains at the bottom of the container. Add component B to component A in the indicated mixing ratio under stirring until completely homogenized, respecting the mixing ratio. Avoid prolonged mixing, as frictional heat will significantly reduce the product's shelflife.
Mixing Ratio	By volume: 1.5 A x 1 B.
Thinner	Not applicable.
Dilution	Ready to use.
Pot Life	20 min The shelf life of the mixture is reduced as the ambient temperature increases. The pot-life test of the mixture is carried out according to ABNT NBR 15742; however, different volumes of paint prepared at once, combined with varying ambient and paint temperatures, will affect the mixture's shelf life, potentially resulting in outcomes different from those stated in this technical bulletin.
Induction Time	No induction time required. In very hot locations, we recommend consulting WEG's Technical Department.

APPLICATION METHODS

Brush	For application with brush and/or roller, it may be necessary to apply two or more coats to achieve a uniform layer and the recommended film thickness. Recommended for flanges, valves, and other accessories and equipment that are difficult to access.
Cleaning of the equipments:	Not applicable.
Notes	The data presented serves as a guide and similar equipment may be used. Before application, ensure that the equipment and respective components are clean and in optimal condition.

APPLICATION PERFORMANCE

For coatings applied in coastal areas exposed to sea spray, it is recommended to wash with fresh water between coats to remove deposited impurities.

Light colors may require more than one coat to achieve uniform coverage.

Do not apply the product after the pot life has been exceeded.

For optimal application properties, the paint temperature must be between 69.8°F - 80.6°F before mixing and application.

Substrate temperature, climatic and environmental conditions during application and curing, as well as applied film thickness, may affect drying time.

Polyol systems (components A and B) are sensitive to relative humidity, which may cause defects in



the dry film and reduction in pot life. It is recommended to keep containers closed in dry places protected from weathering.

We recommend painting only if the measured surface temperature is at least 5.4°F above the dew point and maximum temperature of 140°F. For other application temperatures, consult WEG Technical Department.

This product has low resistance to exposure to sunlight. When exposed to weathering, the applied film will show loss of color and gloss over time. The film is not impaired regarding anticorrosive protection.

Must not be applied under adverse conditions, such as relative humidity (RH) above 85%, as color and appearance changes may occur.

Paintings performed with varying application methods on the same project may result in differences in gloss and final appearance.

On freshly painted surfaces in direct contact with water during the curing process, localized staining with color change (more visible in darker colors), curing delay, and compromised product performance may occur.

Product not recommended for internal tank painting.

Small variations in color, appearance, and gloss (more noticeable in dark colors), as well as delayed curing and performance compromise, may occur during high humidity, rainy days, cold locations, or when parts dry outdoors.

SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals. Carefully read all information contained in the SDS of this product, available at: www.weg.net.

Store in a covered and well-ventilated place. Keep the container tightly closed and away from sources of heat or ignition.

Use only in well-ventilated areas, avoiding the accumulation of flammable vapors. Keep the product away from heat and sources of ignition.

Do not inhale mists/vapors/aerosols generated during handling and/or application. Use protective gloves/protective clothing/eye protection/face protection.

Empty containers and materials with paint residues must be disposed of according to current legislation. Take care of the environment.

NOTE

The information contained in this technical bulletin is based on the experience and knowledge acquired in the field by WEG's technical team.

In the event of using the product without prior consultation with WEG regarding its suitability for the purpose for which the customer intends to use it, the customer acknowledges that the use will be at their own exclusive responsibility, and WEG is not liable for the behavior, safety, suitability, or durability of the product.

Some information mentioned in this bulletin is only an estimate and may vary due to factors beyond the manufacturer's control. Therefore, WEG does not guarantee and assumes no responsibility for performance, efficiency, or any material or personal damages resulting from the incorrect use of the products in question or from the information contained in this Technical Bulletin.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.