

# WRAPX®

Industrial Motors

Commercial & Appliance  
Motors

Automation

Digital & Systems

Energy

Transmission &  
Distribution

**Coatings**

**Protective  
Elastomeric  
and Flexible  
Coatings**



Driving efficiency and sustainability





# Solutions for highly aggressive environments



**Paints for a wide range of situations.**

In addition to protecting machines, equipment and industrial structures, WEG Coatings has solutions to paint and maintain critical areas exposed to bad weather and that require long-lasting protection and resistance.





## Elastomeric coating

Elastomeric coatings are materials with elastic properties that allow them to stretch and deform under stress, returning to their original shape once the stress is removed. They are a protection and durability solution especially appreciated for their flexibility, resistance and versatility, meeting strict industrial requirements and ensuring top performance in adverse conditions.

- **Chemical and anticorrosive resistance:** Protection against corrosion and chemicals.
- **High resistance to abrasion and impact:** Surface integrity maintained.
- **Flexibility and fast drying:** Solvent-free, high-build application.
- **Versatile application:** Compatible with airless, brush and roller tools.
- **Wrapping capacity:** Good adaptation to uneven surfaces.
- **High productivity:** Fast application and drying speed up the process.



# Served sectors

Among the numerous sectors in which coatings are used, we highlight below the main areas that can benefit from this solution. Our technology provides excellent chemical and abrasion resistance, as well as flexibility, in addition to simplifying and reducing maintenance in highly aggressive areas.



Metal structures



Floors



Valves and flanges



Piping

## High Resistance

They protect metal equipment and structures against corrosion, chemical agents and impacts in aggressive environments, such as refineries, chemical industries and processing plants. Elastomeric coatings not only protect against corrosion, but also offer abrasion resistance and anti-slip properties, ensuring a safe and durable environment when applied to floors.

## Great wrapping

Effective wrapping of valves, flanges and bolts is essential to maintain a system integrity. Elastomeric coatings provide a reliable, durable barrier. The application of elastomeric coatings to pipelines offers long-lasting protection against corrosion and abrasion. These coatings are essential to maintain the integrity of the fluid conduction system.





# This is **WEG**

A more SUSTAINABLE tomorrow  
is what drives us today.

A crucial aspect of the product lines presented in this catalog is the commitment to environmental sustainability. All products have high solids, which means they contain low volatile solvents (*low VOCs*). Such feature is essential to reducing the emission of atmospheric pollutants and minimizing environmental impacts.

Each of these products offers unique features to meet your specific wrapping, protection, sealing and strength requirements. By choosing any of the products, you are making a choice that benefits not only today, but also your tomorrow.

Whether you are looking for industrial equipment protection, flange sealing or chemical resistance, our elastomeric coatings are ready to overcome your challenges.



# WRAPX HBD 521

## HIGH-BUILD ELASTOMERIC COATING

WRAPX® HBD 521 is a dual-function, polyurethane-based elastomeric coating that works as a primer and top coat, being ideal for high-build applications. It is a flexible coating with excellent anticorrosive resistance by barrier and high durability against abrasion.

This product is especially recommended to protect industrial equipment and structures, carbon steel and cement surfaces, as well as for internal and external painting of pipes. It offers robust physical protection, with remarkable anticorrosive resistance and a fast curing time, allowing release for work in just a few hours. As a result, it transforms the approach to industrial maintenance, providing advantages such as:

- **High-build application:** allows up to 315 mils on horizontal surfaces and 49.21 mils on vertical surfaces, in a single coat.
- **Quick release:** allows traffic just 3 hours after application, optimizing maintenance time.
- **Cold application:** eliminates the need for heating equipment, facilitating the process and reducing costs.
- **High productivity:** Maximizes the performance of the painting scheme by replacing multiple layers with a single, high-build layer, in addition to speeding up the release of the area.

## MAIN APPLICATIONS



 **Metal Structures**

- It provides high durability and resilience against deformations and mechanical impacts, withstanding harsh environments such as offshore platforms and chemical industries.



 **Floors**

- On industrial floors, with a high demand for wear resistance and the possibility of anti-slip characteristic, the area can be released for traffic in just three hours, ideal for high-flow areas, optimizing operating time.



 **Piping**

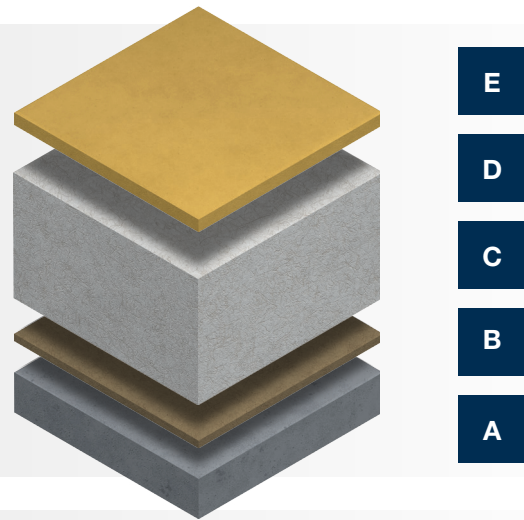
- Especially for transporting drinking water, it is a safe and effective solution. It meets the requirements of GM/MS Directive No. 888/2021, ensuring anticorrosion protection and reducing downtime with its quick release for operation.



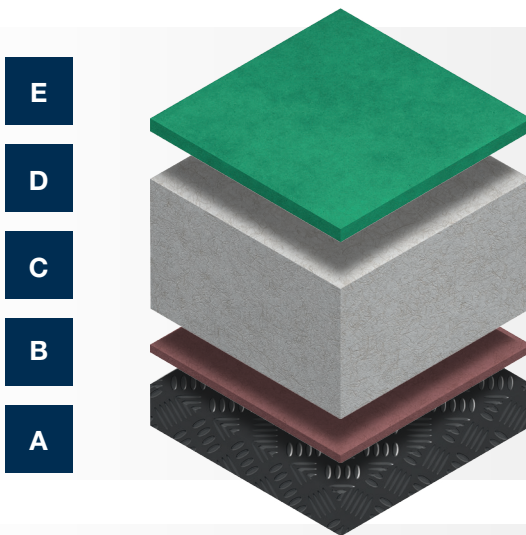
## APPLICATION SCHEMES

### APPLICATION ON CONCRETE

- A** Surface preparation.
- B** Application of W-POXI primer HSS 301.\*
- C** Application of WRAPX HBD 521.
- D** Allows for particle sprinkling to create an anti-slip floor.
- Accepts application of top coat.
- E**



*\*The application of primer is only necessary in cases where the substrate does not have a roughness profile greater than 80 µm, which is required for application.*



### APPLICATION ON METAL

- A** Surface preparation.
- B** Application of W-POXI primer STP 301.\*
- C** Application of WRAPX HBD 521.
- D** Allows for particle sprinkling to create an anti-slip floor.
- Accepts application of top coat.
- E**

*\*The application of primer is only necessary in cases where the substrate does not have a roughness profile greater than 80 µm, which is required for application.*

## TECHNICAL PERFORMANCE

Designed to offer maximum mechanical resistance and long-lasting protection, even under extreme conditions. The combination of the characteristics below allows the coating to absorb mechanical deformations and return to its original shape, preventing structural damage. As it can be applied in high thicknesses and cures fast, operational efficiency increases, optimizing time and reducing costs.

PROPERTY	WRAPX HBD 521
Shore D Hardness	69.1
Stress at Break (psi)	1450
Deformation at Break (%)	20.20
Maximum Load (lbf)	30.60
Tear Strength (lbf/ft)	43,316.9

*Tear Test - ASTM D624 (2012) - Tensile Test - ASTM D412-16 (2021)*



# WRAPX HBD 421 and WRAPX EVD 473

## WRAPX® DOUBLE PROTECTION SYSTEM FOR CRITICAL AREAS

The WRAPX® Dual Protection System was created to address these challenges with an innovative approach that combines a waxy anticorrosive layer and robust top coats. This dual solution provides a highly effective barrier against corrosion and simplifies preventive and corrective maintenance in critical areas, **such as valves and flanges**.

The advantage of the WRAPX® System is its two-layer technology, which offers superior protection. With combined action, the system ensures resistance, flexibility and durability to protect industrial assets in harsh environments.

### FIRST LAYER: WAXY PROTECTION - W-LUBI DSR 473

The first layer consists of a waxy coating with anti-corrosive additives. W-LUBI DSR 473 is applied by spray, allowing uniform coverage even on complex geometries. Its simple and quick application ensures that critical areas will be protected without the need for complete disassembly of the equipment.

### SECOND LAYER: PROTECTIVE TOP COAT

The second layer of the system can be composed of two types of coating, depending on the application needs:

**WRAPX® HBD 421:** A polyurethane coating, ideal for small interventions and localized maintenance, applied with a brush. Its versatility allows it to be used in quick repairs, especially in areas that are difficult for equipment access.

**WRAPX® EVD 473:** A hybrid polyurea coating designed for major maintenance jobs. Applied cold using specialized equipment, this coating offers fast curing in just 40 minutes, providing high barrier protection, making it ideal for areas with high operational demands.

These two layers form a robust physical barrier, with high layers of up to 79 mils, protecting against corrosion and ensuring resistance in adverse environments, such as areas with constant immersion and atmospheres with high concentrations of chemicals.

## MAIN APPLICATIONS



### Valves



- The top coat, together with the waxy mold release agent, in addition to increasing protection with durability and resistance, facilitates valve maintenance with easy mold release.



### Flanges



- The WRAPX® System creates a high-performance anticorrosive barrier that can offer fast curing and high resistance. This combination protects the flanges in continuous operations, withstanding extreme operating variations and weather conditions.



## ELASTOMERIC PROTECTIVE TOP COAT

### WRAPX® HBD 421

Brush application solution;

A polyurethane coating;

Application in thicknesses from 20 to 60 mils and flexibility in protection;

high retention on edges and weld beads.



### WRAPX® EVD 473

airless plural component application;

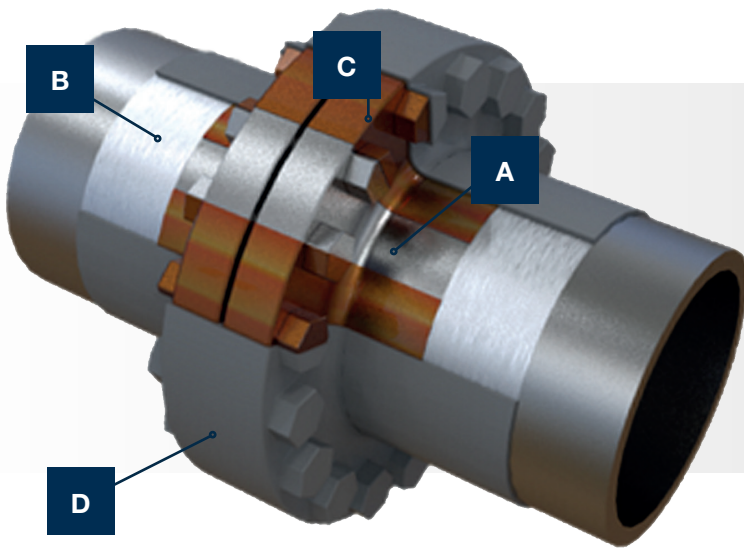
A cold polyurea coating;

Application in thicknesses of 20 to 60 mils flexibility in protection;

high retention on edges and weld beads.



## APPLICATION SCHEMES



### APPLICATION ON VALVE OR FLANGE

- A** Substrate;
- B** Anchor base / Adherence area;
- C** Waxy film;
- D** Protective finish, elastomeric coating: WRAPX HBD 421 or WRAPX EVD 473.





# WRAPX HBD 332

## HIGH-BUILD FLEXIBLE EPOXY COATING

WRAPX® HBD 332 is a high performance flexible epoxy coating designed for high-build applications, which reduces application time, eliminates the need for multiple layers and minimizes future interventions, in addition to providing excellent mechanical resistance and anticorrosion barrier protection. This practical and effective solution reduces maintenance time and maximizes asset availability.

Suitable for a wide range of industrial applications, WRAPX® HBD 332 is ideal for carbon steel floors, external piping and metal structures in corrosive environments, such as chemical plants, sanitation systems and offshore platforms.

With operational advantages that make it the ideal choice for industrial sectors facing aggressive conditions, WRAPX® HBD 332 allows significant labor savings and increases the efficiency of maintenance processes, as it requires fewer layers to achieve the ideal protection thickness.

## MAIN APPLICATIONS



### Metal Structures



- It has high durability and resistance against deformation and impacts, being suitable for harsh environments, such as offshore platforms and chemical industries.



### Floors



- On industrial floors, which require high wear resistance and anti-slip characteristics, it allows for quick release for traffic, when compared to the conventional painting scheme, being ideal for areas with high traffic and speeding up the operation time.



### Valves and Flanges



- The coating can be used as a top coat for double protection systems for valves and flanges, offering high performance and high resistance. The use of this product also offers easier mold release, although more robust than WRAPX HBD 4221 and WRAPX EVD 473.

## HIGH-BUILD FLEXIBLE EPOXY COATING

WRAPX® HBD 332 offers excellent application flexibility and can be used for both small repairs and large projects. It allows two main forms of application, adapting to the specific needs of each operation:

- **Brush:** Ideal for touch-ups in smaller areas and localized maintenance, the application with a brush takes advantage of the mixture life, which is 30 minutes at 77 °F. This feature allows efficient manual application in restricted areas before the material hardens, providing a practical solution for specific interventions.
- **Airless Gun:** To cover large areas, application with an airless spray gun is highly recommended. Using a 75:1 airless pump, the WRAPX® HBD 332 ensures high productivity and efficiency on large surfaces, allowing application of high thicknesses in a single coat. This method reduces application time and increases operational efficiency.

This versatility makes the WRAPX® HBD 332 a practical solution for both emergency repairs and large scheduled maintenance projects, eliminating the need for complex tools and meeting different demands efficiently.

## TECHNICAL PERFORMANCE

WRAPX® HBD 332 is a flexible epoxy coating with 22% elongation, which accompanies the expansion and contraction of metal surfaces, preventing cracks, being **applicable in thicknesses from 23 mils to 315 mils in a single coat**, in multiple coats. Due to its low sensitivity to water, it can be applied to wet surfaces, such as surfaces treated by hydroblasting.

PROPERTY	WRAPX HBD 521
Shore A Hardness	89
Elongation	22%
Pull-Off	1,450 psi
Impact Resistance (>118 mils)	14.75 lbf
Abrasion (CS17, 35,27 oz)	<1.76 oz

*Tear Test - ASTM D624 (2012) - Tensile Test - ASTM D412-16 (2021)*



**CHECK IT OUT!**  
 COMPLETE SOLUTION  
 SET FOR MAINTENANCE OF  
 SMALL AREAS.



The scope of WEG Group solutions is not limited to the products and solutions presented in this brochure.

**To know our portfolio,  
contact us.**

**For WEG's worldwide  
operations visit our website**





**www.weg.net**


**f i wegcoatings**

**COATINGS**



 +55 (47) 3276.4000

 tintas@weg.net

 **Guaramirim - SC - Brazil** ☎ +55 (47) 3276.4000

**Mauá - SP - Brazil** ☎ +55 (11) 4547.6100

**Cabo de Santo Agostinho - PE - Brazil** ☎ +55 (81) 3512.3000

**Betim - MG - Brazil** ☎ +55 (31) 3268.0686

**Buenos Aires - Argentina** ☎ +54 (11) 4299.8000

**Atotonilco de Tula - Mexico** ☎ +52 (55) 5321.4231

**Atlanta - USA** ☎ 1-800-ASK-4WEG