

SANITATION SOLUTIONS

Coatings that ensure protection and durability



Motors | Automation | Energy | Transmission & Distribution | Coatings



COATINGS THAT ENSURE PROTECTION AND DURABILITY

For over 35 years, WEG has been offering corrosion protection solutions through its line of industrial and anticorrosive coatings. Along this time, it has served various tank, machine, pipe valve, equipment and metal structure manufacturers, in addition to sanitation companies.

Its extensive reseller network and customer service team provide fast and effective support in all regions of Brazil.

WEG sanitation solutions have a wide range of coatings for the most different needs. Everything developed based on new trends and on the search for lower environmental impact and high durability. With its partners, WEG develops customized projects focused on the customer, seeking the best technologies on the market. Below are some of the solutions.

Water Storage

Carbon steel and concrete reservoirs are fundamental elements of the water supply system, and thus they always require great attention to protection and impermeabilization.

Coating for the interior of welded carbon steel tanks:

Description	Thickness
WEG TAR FREE WT	365 µm

Coating for the interior of concrete tanks:

Description	Thickness
W-POXI PRR 301	50 µm
WEG TAR FREE WT	365 µm



WEG TAR FREE WT

Recommended for highly aggressive environments, since it offers excellent corrosion protection over steel and concrete. This line can be used both in the interior and exterior of pipes and water reservoirs, allowing its application in high thicknesses (1 mm) in a single coat. [It complies with standard AWWA C210](#) - Liquid Epoxy Coatings and Linings for Steel Water Pipe and Fittings.



Coating for the interior of steel water tanks:

	Description	Thickness
1 st coat	WEGPOXI CVD 323 AWWA	150 µm
2 nd coat	WEGPOXI CVD 323 AWWA	150 µm

Coating for the exterior of steel tanks
(Option 1)

	Description	Thickness
1 st coat	W-POXI ERP 322	125 µm
2 nd coat	W-POXI ERP 322	125 µm
3 rd coat	WEGTHANE HPA 501	65 µm

(Option 2)

Description	Thickness
W-POLI HPD 451	250 µm



W-POLI HPD 451

W-POLI HPD 451 is recommended for coating the exterior of steel tanks requiring resistance and aesthetics, as it replaces the application of two coats (a first coat of epoxy primer coating and a second coat of polyurethane top coat) with the application of a single coat, ensuring the same anti-corrosion and aesthetic performance, without further hassle.



Water Collection and Distribution

WEG products offer high durability coatings certified by external laboratories, complying with the main standards of the industry, such as [AWWA C210](#) Liquid Epoxy Coatings and Linings for Steel Water Pipe and Fittings and [AWWA C222](#) Polyurethane Coatings for the Interior and Exterior of Steel Water Pipe and Fittings. Furthermore, these products are certified for contact with drinking water, in compliance with the resolution of the Brazilian Health Regulatory Agency, and considered approved coatings as per technical standard NTS 036 issued by São Paulo State Water and Waste Management Company.

Standard coating for the interior of pipes:

Description	Thickness
WEG TAR FREE WT	410 µm
WEG TAR FREE HSD 302 HT	
WEGTHANE HBD 521	

Standard coating for the exterior of buried pipes:

Description	Thickness
WEG TAR FREE WT	1.000 µm
WEG TAR FREE HSD 302 HT	
WEGTHANE HBD 521	



Comparative Coating Table

Description	Volume solid (%)	VOC content	Thickness per coat	Pot life (25 °C)	AWWA standard compliance
WEG TAR FREE WT	84 ± 2%	160 g/l	200 µm –1.000 µm	2 hours	AWWA C210 Standard
WEG TAR FREE HSD 302 HT	97 ± 3%	50 g/l	200 µm –1.000 µm	45 min.	AWWA C210 Standard
WEGTHANE HBD 521	97 ± 3%	50 g/l	200 µm –1.000 µm	5 min.	AWWA C222 Standard

WEG TAR FREE HSD 302 HT

High build, two-pack epoxy direct to metal with non-toxic and anti-corrosion pigments. It has low content of volatile organic compound (Low VOC). It complies with standard [AWWA C210](#) - Liquid Epoxy Coatings and Linings for Steel Water Pipe and Fittings. It has a version with catalyst for accelerated drying in ovens, which considerably reduces the final drying time.

WEGTHANE HBD 521

High build two-pack polyol based direct to metal. It has low content of volatile organic compound (Low VOC). Complies with [AWWA C222](#) - Polyurethane Coatings for the Interior and Exterior of Steel Water Pipe and Fittings. It dries extremely fast, allowing pipes to be handled in about 2 hours after application.

Coating for the exterior of pipes exposed to air:

Option 1

Description	Thickness
W-POXI ZSP 315 N 1277	65 µm
W-POXI CVD 323	150 µm
WEGTHANE HPA 501	60 µm

Option 2

Description	Thickness
W-POLI HPD 451	250 µm

Water Treatment

WEG also offers solutions for machine, equipment and metal structure coating and concrete protection. Coating for metal structures, pipes, stairs, railings, machinery and equipment:

	Description	Thickness
1 st coat	WEGPOXI CVD 323 AWWA	250 µm
2 nd coat	WEGPOXI CVD 323 AWWA	250 µm
3 rd coat	WEGTHANE HPA 501	65 µm

Coating for equipment and/or components subject to abrasion and wear, such as floors, railings, rail sides, metal stair treads, solid retention grids for Water Treatment Plants and/or floodgates installed at the raw water inlet of Water Treatment Plants.

Description	Thickness
WEG TAR FREE HSD 302 HT	800 µm

Chemical containment basins:

Description	Thickness
W-POXI GFD 402	800 µm



W-POXI GFD 402

Due to the glass flakes in its composition, the W-POXI GFD 402 line provides maximum corrosion protection, excellent surface hardness and impermeability. In addition, it is resistant to a wide range of solvents, such as oils, acids and bases.

Coating of non-ferrous, galvanized metal substrates, stainless steel, polymer-based materials, fiberglass reinforced polyester, PVC (polyvinyl chloride) and plastics in general exposed to sunlight:

Description	Thickness
W-THANE SRD 501	70 µm



Effluent and Sewage Treatment

Wastewater treatment plants are environments with high chemical aggressiveness. That is because of the presence of acid gases generated by the decomposition of effluents and sewage. However, thanks to WEG sanitation solutions, such problem can be minimized by using high quality epoxy coatings that provide excellent anticorrosive and barrier protection.

Coating for metallic structures, pipes, stairs, railings, machines and equipment in highly aggressive environments:

Description	Thickness
WEG TAR FREE HSD 302 HT	800 µm
WEGTHANE HPA 501	60 µm



Coating for maintenance of metallic structures, pipes, stairs, railings, machines and equipment in highly aggressive environments:

	Description	Thickness
1 st coat	W-POXI BLOCK HPP 402 R ALUMÍNIO	125 µm
2 nd coat	W-POXI BLOCK HPP 402 R ALUMÍNIO	125 µm
3 rd coat	WEGPOXI WET SURFACE 88 HT	200 µm

WEGPOXI WET SURFACE 88 HT

Highly resistant epoxy direct to metal tolerant to application on damp surfaces.

W-POXI BLOCK HPP 402 R ALUMINUM

It is recommended for environments where anti-corrosion and chemical resistance are essential requirements, in maintenance conditions where the only way of surface preparation is manual cleaning or using mechanical tools.

Even with the restrictions in surface preparation, the product provides excellent resistance results, and, for certain conditions, the coating reaches performance levels that meet the requirements in condition C5-I of ISO 12944, with high expectation of durability.



Complementary Products

WEG also offers a line of complementary products for different uses. These are high durability options with the reputable WEG quality.


Valves, flanges and accessories:

Description	Thickness
POLITHERM 55 HB	250 à 450 µm

POLITHERM 55 HB

Epoxy powder paint with high chemical and anticorrosive resistance over steel. Coating for the interior and exterior of thick metallic pipes that are in direct contact with drinking water. It has NSF/ANSI 61: 2016 drinking water certification (Drinking Water System Components). Approved as per NTS 036 Technical Standard issued by São Paulo State Water and Waste Management Company.





NEW TECHNOLOGY

W-POLI HBD 453

Pure aromatic polyurea elastomer, fast curing, 100% solids, abrasion resistant and flexible spray coating. Due to the fast curing time, the area can be released in little time, including for water immersion in up to 24 hours. In addition, due to its high flexibility, it is recommended for waterproofing of Water Treatment Plant/Sewage Treat Plants, containment basins and slabs.

Description	Thickness
W-POLI HBD 453	250 à 3000 µm

Road Surface Marking

WEG Coatings also has a wide line of products for road surface marking. Due to their good resistance to weathering and abrasion, they are recommended for painting curbs and marking parking spaces and crosswalks. It can be applied on asphalt, concrete, paver and cobblestone surfaces.



SOLUTIONS FOR FLOORS

In addition to protection for tools, equipment and industrial structures, WEG also offers full solutions to paint industrial floors.



LEARN MORE BY ACCESSING OUR **FLOOR CATALOG**

For WEG's worldwide
operations visit our website



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The values are subject to change without prior notice.

The information contained is reference values.