

Coatings for PUMPS & VALVES

Flow Without Failure



WEG Coatings: Driving Reliability in Pumps and Valves Protection

With a solid legacy in delivering reliable motor solutions for pumps and valves worldwide, WEG offers high-performance coatings that protect equipment across the entire flow, from clean water and wastewater to industrial gases, chemicals and aggressive fluids, extending service life, minimizing maintenance and safeguarding infrastructure against abrasion, chemical exposure and environmental impact.



Durable Protection for Water Storage & Distribution

Formulated for steel and concrete components in **pumps, valves** and **associated piping**, these coating systems deliver long-term corrosion and chemical resistance while meeting **AWWA C210/C222** and **potable-water standards**.

Solutions such as **W-POLI HPD 451** combine epoxy-grade corrosion protection with durable color and gloss in a single coat, reducing maintenance frequency and total cost of ownership.



Solution	Technology	Complies with
WEG TAR FREE WT	High-build tar-free epoxy direct to metal, single-coat up to 40 mils	AWWA C210 and potable-water approvals (ANVISA Res.105)
WRAPX® HBD 521	High-build elastomeric polyurethane direct to metal, single-coat up to 315 mils and fast cure	AWWA C222, ANSI 61:2016, ISO 12944 – CX
W-POLI HPD 451	High-performance polyaspartic, high solids, superior color and gloss retention	ISO 12944 – CX, ISO 20340 and ISO 15156

Efficient Application & Rapid Return-to-Service



With the ability to apply single high-build coats up to **315 mils**, they streamline application while maintaining long-lasting durability and reliability, ready for use just **3 hours after application**. **WRAPX® HBD 521**, a cold-applied high-build elastomer, further reduces energy and labor, accelerates maintenance cycles and maximizes uptime.

Resilience for Tough Treatment Environments



From offshore decks to wet pits and buried lines, our coatings are proven in the field, qualified to **NORSOK M-501** (offshore coating systems), compliant with **IMO MSC.215** for ballast tanks (marine safety) and tested to **ISO 20340** for long-term structural performance, so pumps & valves keep operating where failure is not an option.

These systems also withstand exposure to industrial gases and challenging fluids, safeguarding equipment in harsh process conditions.



Solution	Technology	Complies with
WEGPOXI WET SURFACE 88 HT	High-build liquid epoxy polyamine, wet-on-wet and up to 20 mills in a single coat	NORSOK M-501, IMO MSC.215, ISO 20340 and ISO 12944 CX
W-POXI GFD 402	High-solids novolac epoxy (low-VOC) with glass flakes	ISO 12944 CX
W-POXI BLOCK HPP 402	High-build aluminum epoxy engineered for repair/maintenance	ISO 12944 C5-I, ISO 6270-1
POLITHERM 55 HB C5H	High-build epoxy powder coating, low-cure with excellent adhesion	ISO 12944 C5-H, NSF/ANSI 61-2016



Proven Protection with Streamlined Application

Downtime and maintenance complexity are critical in water treatment and industrial fluid operations. Fast-curing **W-POLI HBD 453** polyurea and **NSF/ANSI 61** (Drinking Water System Components) certified **POLITHERM 55 HB C5H epoxy powder** delivers exceptional abrasion, chemical and solvent resistance, with low-bake application that reduces energy consumption and coating costs.

Our solutions are aligned with sustainable practices, featuring **low-VOC**, **tar-free** and **high-solids** liquid coatings, as well as **TGIC-free**, **superdurable** and **RoHS-compliant** powder coatings, supporting safer and greener operations across industries.



Explore the full **WEG Coatings** catalog and learn how our technical solutions create value for your projects.

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