

SOLUTIONS FOR PULP AND PAPER

Coatings that ensure greater productivity to the industry



Motors | Automation | Energy | Transmission & Distribution | Coatings

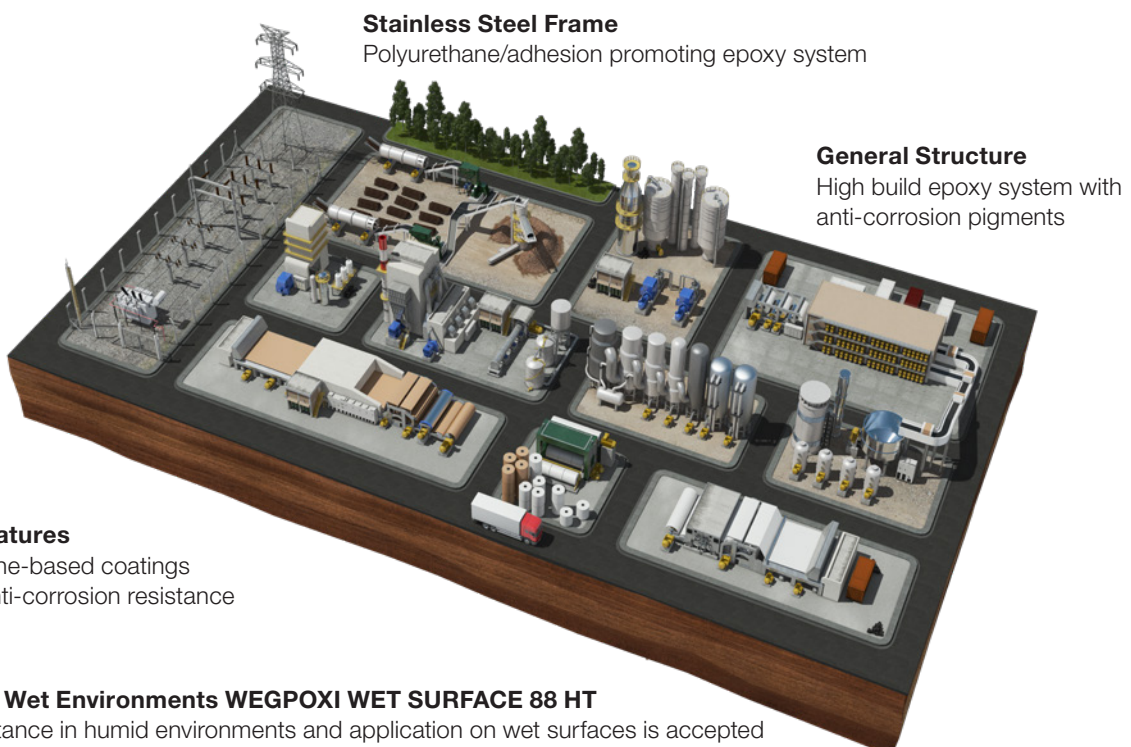
SOLUTIONS FOR PULP AND PAPER

WEG Coatings offers technology in coatings for different kinds of aggressive environments. They are products with greater color and gloss retention, resistant to contacts with chemicals and high temperatures. Whether preventing accidents with corrosion, reducing expenses with maintenance in the coating or avoiding non-scheduled stoppages in production, WEG high performance coatings ensure greater productivity and profit for your company.

The different characteristics found in the pulp and paper industry, such as the contact with aggressive compounds (acids, bases) and solid contaminants, besides the presence of high humidity, high temperatures, sulfides and other corrosive agents, generate the demand for high-performance materials and coatings.

Below are classified the main environments, situations and operating conditions characteristic of the pulp and paper industries. All the plans presented are classified within the category of atmospheric corrosivity C5 (very high corrosivity), in accordance with ISO 12944-2 and are recommended based on our expertise acquired over the years of experience in corrosion protection.

Pulp and Paper Plant





For non-insulated steel equipment, operating at temperatures between 120°C and 540°C

Surface preparation: blasting to near white metal, standard Sa₂ ½ or hidrojetted.

Option 01				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
ZINC ETHYL SILICATE N 1661	50	54	10,80	16 h - undefined
W-TERM HPA 660	25	30	12,00	-

ZINC ETHYL SILICATE N 1661

Two-pack inorganic zinc ethyl silicate primer. Ideal for works at high temperatures.

W-TERM HPA 660

Single-component modified silicone-based topcoat heat resistant up to 600°C.

Option 02				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
ALUMINUM ZINC ETHYL SILICATE N 2231	75	52	6,93	Not applicable

ALUMINUM ZINC ETHYL SILICATE N 2231

Two-pack, heat resistant, inorganic ethyl silicate primer and topcoat pigmented with zinc and aluminum. It protects carbon steel against corrosion and provides heat resistance up to 500°C.

For steel piping and equipment, thermally insulated with temperature up to 100°C, or between 100°C and 120°C in intermittent operation

Surface preparation: Blasting to near white metal, standard Sa₂ ½ or SSPC-SP10.

Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
W-THERM HPD 364	180	72	4,0	16 h - 3 days

W-THERM HPD 364

Two-pack phenolic epoxy coating with excellent chemical and anti-corrosion resistance that is maintained when used at high temperatures.

For field maintenance and retouching

Surface preparation: this specification is defined for applying paint to surfaces prepared according to ISO 8501-1 St3 or SSPC-SP3 (mechanical cleaning).

Option 01				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
WEGPOXI WET SURFACE 89 PW ALUMINUM	100	75	7,50	18 h - 30 days
WEGPOXI WET SURFACE 89 PW ALUMINUM	100	75	7,50	18 h - 30 days
WEGTHANE HPA 501	50	53	10,60	18 h - 48 h

Option 02				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
WEGPOXI WET SURFACE 88 HT	250	85	3,40	Not applicable
WEGTHANE HPA 501	50	53	10,60	18 h - 48 h

Option 03				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
W-POXI BLOCK HPP 402	125	85	6,80	4 h - 24 h
W-POXI BLOCK HPP 402	125	85	6,80	4 h - 24 h
WEGTHANE HPA 501	50	53	10,60	18 h - 48 h

W-POXI BLOCK HPP 402

Novolac two-pack epoxy primer, high thickness and high solids, pigmented with aluminum. Tolerant to surfaces treated with manual or mechanical cleaning.

Anti-corrosion coating with high adhesion on properly treated carbon steel or aged adhered paint.

The coating reaches performance levels that meets the requirements in conditions C5 of ISO 12944, with high expectation durability.*

Testes	Resistência (horas)
Salt Spray (Conforme ISO 9227)	1.440
Câmara Úmida (Conforme ISO 6270-1)	720
Imersão em NaOH 10% (Conforme ISO 2812-1)	168
Imersão em H2SO4 10% (Conforme ISO 2812-1)	168
Imersão em Óleo Mineral (Conforme ISO 2812-2)	168

* Tests performed with the application of 3 coats with 150 micrometers, on steel sheets prepared only with manual sanding (Standard Cleaning St2).

For surfaces predominantly in contact with water and/or corrosive products, equipment subject to tank bases and overflow

Used in steel structures as a base and support for equipment with temperatures up to 120°C, for indoor and outdoor use.

Surface preparation: blasting to near white metal, standard Sa₂ ½ or hydrojetted.

WEGPOXI WET SURFACE 88 HT

Two-pack high build polyamine epoxy direct to metal formulated with anticorrosive pigments for steel surfaces. Product developed for application on dry, wet and hydroblasted surfaces.

- Offers chemical resistance in a high build single coat;
- Application on dry, wet and hydroblasted surfaces;
- Used in machines in general, inside and outside metal frames, in environments with high humidity and areas of aggressive splashes and spills;
- Super-fast drying;
- Can be used for application over a wide temperature range, on surfaces with operating temperatures from 5°C to 70°C;
- Enables application of a high build layer (250 to 500 µm) in a single coat. Therefore, it provides savings and productivity combined with the protection and waterproofing of surfaces.

Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
WEGPOXI WET SURFACE 88 HT	250	85	3,40	8 - 7 dias
WEGPOXI WET SURFACE 88 HT	250	85	3,40	8 - 7 dias
WEGTHANE HPA 501	50	53	10,60	18h - 48h



For carbon steel equipment, structures and pipes, not thermally insulated at temperatures up to 120°C, in sheltered environments or not

Surface preparation: blasting to near white metal, standard Sa₂ ½ or hydrojetted.

Option 01				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
W-POXI ZSP 315	75	58	7,73	3 h - 30 days
W-POXI ERP 322	150	80	5,33	4 h - 6 months
WEGTHANE HPA 501	50	53	10,60	8 h - 48 h

Option 02				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
WEGPOXI WET SURFACE 88HT	250	85	3,40	7 - 8 days
WEGTHANE HPA 501	50	53	10,60	8 h - 48 h

W-POXI ZSP 315 N 1277

Two-pack polyamide epoxy primer rich in zinc.

W-POXI ERP 322

High solids two-pack polyamide epoxy primer with anti-corrosion zinc phosphate-based pigments.

WEGTHANE HPA 501

Two-pack glossy aliphatic acrylic polyurethane topcoat.



For pipes, structures, trays, conduits made of galvanized, carbon steel, stainless steel, non-ferrous metals requiring paint finish

Surface preparation: degrease the surface according to ISO 8504/1992, using a non-ionic detergent or solvent. Brush off or light sanding to remove the oxide layer and break the gloss. The surface must be clean and dry before applying the coating.

Option 01				
Product	µm	Solids per volume	Coverage m ² /l	Overcoating interval min-max 25°C
WEGPOXI GNP 415	75	25	10,00	5h - 7 days
W-POXI ERP 322	150	80	5,33	4h - 6 months
WEGTHANE HPA 501	50	56	11,20	18h - 48h

WEGPOXI GNP 415

Two-pack primer based on polyamine epoxy resin. Recommended for galvanized, carbon steel, aluminum, degreased and stainless steel substrates.

W-THANE SQA 501

High solids acrylic polyurethane-based topcoat. The coating is specially formulated for application on hot surfaces. W-THANE SQA 501 can be applied to metals at temperatures up to 85°C. Thus, the paint allows the coating of hot equipment without complete shutdown.



The high gloss film has high UVA resistance, is available in a wide range of colors (RAL, Munsell, according to the customer's standard) and can be used in the coating of equipment in aggressive industrial environments, where resistance and aesthetics are required.

The system is particularly used in chemical, food and pulp & paper industries, among others, in addition to being used in the external maintenance coating of tanks and various equipment at an operating temperature of up to 85°C.

Color	Ral, Munsell, according to the customer's standard		
Theoretical coverage	10 m ² /L (65 µm)		
Solids per volume	65 ± 2%		
Drying	Touch	Handling	Total
	4 hours	8 hours	240 hours



FLOOR SOLUTIONS



LEARN MORE ACCESSING OUR
FLOOR CATALOG

The proper care with the workplace floor directly contributes to increasing productivity. Floors in poor conditions, besides the bad aspect, hinder operations, causing accidents and delays. In addition to the protection, the coating improves the environment aesthetics, contributing to making the work environment more pleasant.

Conventional Coating

Traditional coating systems include three types of floor painting: for light, moderate and heavy traffic. The floor system for light traffic is recommended where pedestrians and light vehicles circulate. The moderate traffic system, for places where there is circulation of cars and light vehicles. While the heavy traffic system, for places where trucks circulates and for industries in general.

Urethane

Innovative solutions for maximum floor protection, considering concerns about contamination, cleaning requirements and long-term maintenance costs.

This coating is recommended for numerous applications, especially for industrial kitchens. It has antimicrobial agents, not proliferating bacteria and fungi, has self-leveling characteristics and is extremely hygienic.

High Build

Coating recommended for new or old floors, indoors or outdoors of industries in general, where there is heavy traffic of heavy vehicles.

Anti-slip

Epoxy coating with anti-slip properties, which can be applied in areas such as: ramps, stairs, escape routes. It provides greater safety for pedestrians and even for vehicles.

Available in two textures: High texture and low granulometry (BG).

Road Surface Marking

WEG Coatings also has a wide line of products for road surface marking. They are robust products developed on a solvent and water base, using imported resins with proven quality. These products meet the requirements of Brazilian standards ABNT NBR 11862 and ABNT NBR 13699 and can be applied on asphalt and cement floors.

Specification for Each Situation

Our teams are always available to evaluate and prepare coating specifications appropriate and customized for each situation.

We consider the characteristics of the aggressive microenvironments, usage and operating conditions and cost effectiveness, thus providing the most suitable coating system for each customer, with great durability at the lowest possible cost.


For WEG's worldwide
operations visit our website



www.weg.net

COATINGS



 +55 (47) 3276.4000

 tintas@weg.net

 **Guaramirim - SC - Brazil**  (47) 3276.4000

Mauá - SP - Brazil  (11) 4547.6100

Cabo de Santo Agostinho - PE - Brazil  (81) 3512.3000

Buenos Aires - Argentina  +54 (11) 4299.8000

Hidalgo - Mexico  +52 (55) 5321.4231

Cod: 50102620 | Rev: 02 | Date (m/y): 10/2020

The values are subject to change without prior notice.

The information contained is reference values.