

# THIS IS WEG COATINGS

Industrial coatings for  
**total protection.**

Industrial Motors

Commercial & Appliance  
Motors

Automation

Digital & Systems

Energy

Transmission &  
Distribution

**Coatings**



Driving efficiency and sustainability



# Welcome to WEG COATINGS



## Innovation and Technology

Electrical insulating varnishes and resins, liquid coatings and powder coatings for all sectors.

Solutions in  
nanostructured  
coatings

Quality  
certifications

Environmental  
commitment

Test  
simulation  
station

High  
performance quality  
control

# About WEG Coatings

Focused on offering integrated solutions, WEG Coatings has a wide range of products and ranks among the largest coating manufacturers in Latin America, standing out as the largest producer of powder coatings and electrical insulating varnishes in Brazil and recognized for the quality of its marine and anticorrosive coatings and automotive refinishing products.

## Technology & Sustainability

Constantly investing in technology and committed to the environment, WEG is a leader in innovation, manufacturing coatings increasingly sustainable and renewable, saving natural resources. By continuously training the team and adopting machines and processes of Industry 4.0, we guarantee the delivery in reduced time to the highest quality standards.

We are also committed to the continuous improvement of our administrative and industrial processes with consistent actions regarding Corporate Governance, Environmental and Social responsibility.



## About WEG

**WEG Coatings** is a WEG Group brand, global reference in electrical equipment, industrial process automation, power generation and distribution, and coatings and varnishes. The WEG Group, headquartered in Jaraguá do Sul, Santa Catarina, has 14 manufacturing plants in Brazil.

Abroad, the factories are located in Argentina, Colombia, United States, Mexico, Portugal, Germany, Austria, Spain, South Africa, China and India. Commercial subsidiaries are also spread across the five continents. The group employs over 39,000 WEG people around the world.

## High standard solutions with low environmental impact

- Powder coatings
- Liquid coatings
- Electrical insulating varnishes and resins
- Automotive refinishing



## WEG Coatings Certifications



## Integrated Quality and Environmental Management

The integration of ISO 9001 and ISO 14001 standards is the basis for managing our industrial processes, ensuring the high standard of product quality with minimal environmental impact. To comply with automotive standards, we also have the IATF 16949 certification. Products are tested in marine and natural weathering stations and in our in-house quality control and corrosion laboratories.



## Our commitment

- Create personal and professional development opportunities for the entire chain of *stakeholders*;
- Be a corporate citizen, participating in the community life and promoting personal development of its employees;
- Invest in sustainable development;
- Be in line with the international standards of technological innovation for low environmental impact.
- Create value for the society, considering the UN Sustainable Development Goals.

# Technology in nanomaterials

In our laboratories and through partnerships with research institutions, we continually invest in the development of new technologies, such as nanomaterials, which enhance the efficiency and physical and chemical resistance of our products. The new liquid and powder coatings of the **New Tech** line are used in various industrial sectors.

## Laboratories and equipments

To maintain the high level of standardization, quality and performance of our products, we have the most advanced equipment and a team of researchers specialized in controlled tests such as: color analysis, UVA/UVB protection, salt spray test, dynamic mechanical analysis, spectroscopy, thermal analysis, degradation analysis, bending, rheology, among others.



HPLC - High-Performance Liquid Chromatography



Weathering Tester



DSC / FTIR



Environmental chamber



TGA - Thermogravimetric analysis



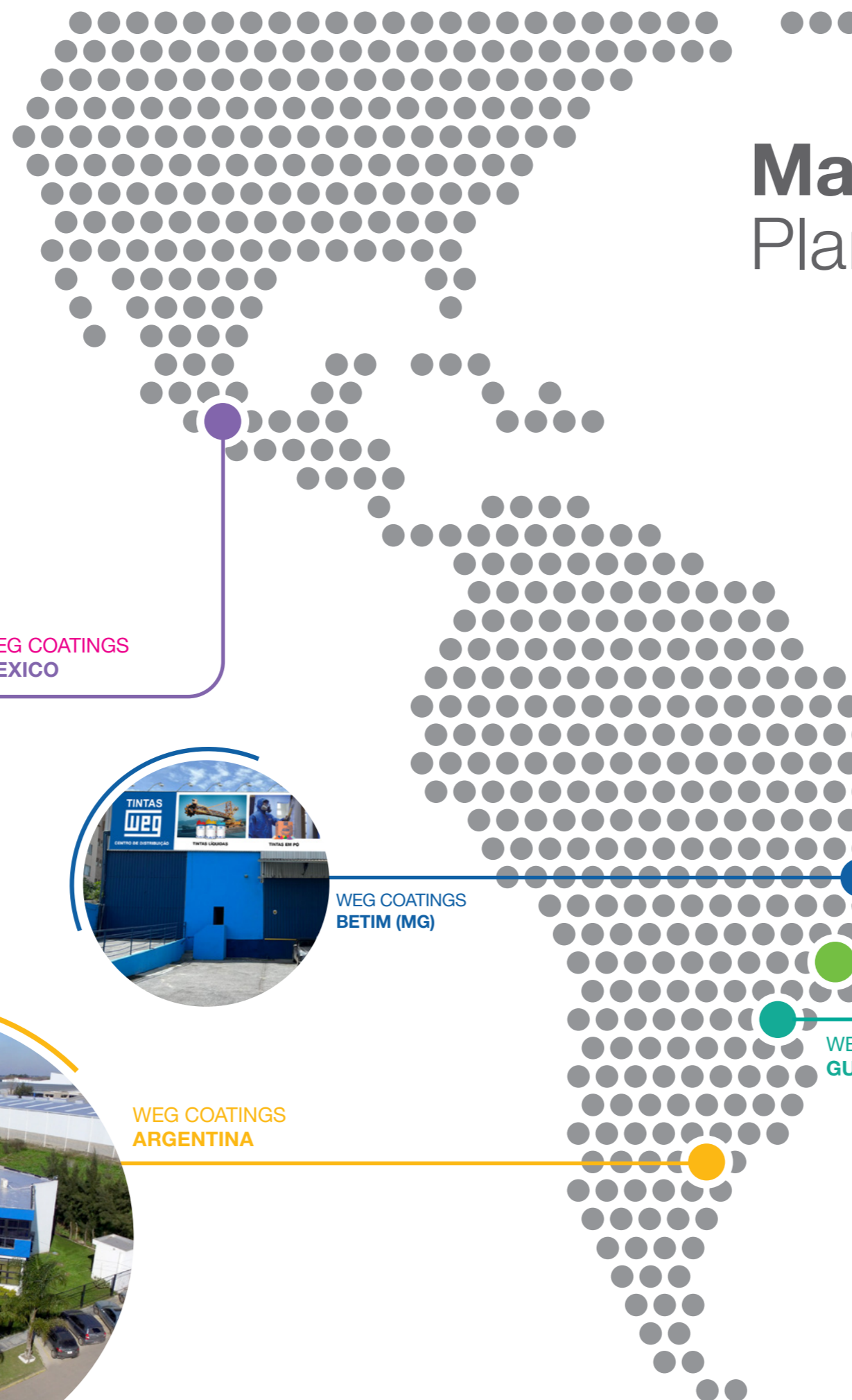
DMA - Dynamic Mechanical Analysis



# WEG Coatings's Presence in the world

Our products are exported to America, Europe, Asia, Africa and Oceania.

## Manufacturing Plants



WEG COATINGS  
MEXICO



WEG COATINGS  
BETIM (MG)



WEG COATINGS  
ARGENTINA



WEG COATINGS  
CABO DE SANTO  
AGOSTINHO (PE)



WEG COATINGS  
MAUÁ (SP)



WEG COATINGS  
GUARAMIRIM (SC)

# Segments Served

**WEG Coatings** products serve diversified market segments and applications.

- Oil, Gas, Petrochemical
- Maritime and Offshore
- Industrial Maintenance
- Mining
- Metal structures
- Agricultural machines and implements
- Household appliances
- Leisure equipment
- Automotive refinishing
- Road implements and auto parts
- Vessels
- Water and Sanitation
- Steel
- Cement industry
- Sugar and Ethanol
- Civil Construction
- Fertilizers
- Pulp and Paper
- Metal furniture
- Plastics and auto parts
- Glasses and Mirrors
- Lamps
- Industrial Dealers
- Automotive Refinishing Dealers
- Agribusiness



# Liquid Coatings

Anticorrosive and **high-tech** industrial line for all segments

WEG's liquid coatings are present in structures and buildings around the world, such as stadiums, shopping malls, industries, airports, ports, offshore platforms and refineries. We also serve industries in the serial lines (motors, foundries, instruments, equipment, tooling and machines of all segments) and Industrial Dealers.

Machinery and Equipment, Metal Structures

Marine and Offshore

Road Implements, Buses and Fleets

Agricultural Implements

Industrial Maintenance

## Industrial and Anticorrosive

WEG Coatings has a complete line of anticorrosive products for a variety of segments. In addition to antifouling coatings for vessels in general, ships and offshore platforms. These are products approved by national and international bodies that guarantee high physical and chemical resistance.



Industry and Maintenance in General	<i>W-Poxy</i> - epoxy primer/topcoat (amides, amines, tar, zinc-rich, moisture tolerant, sealant, isocyanate, novolac)
	<i>W-Thane</i> - polyurethane primer/topcoat topcoat (aromatic, aliphatic, aliphatic acrylic, antifungal)
	<i>W-Lack</i> - alkyd primer/topcoat (nitrocellulose lacquers, oven-drying, air drying alkyds)
	<i>W-Hydro</i> - water-soluble primer/topcoat topcoat (alkyds, acrylics, epoxy, polyurethane)
	<i>W-Cril</i> - topcoat (single-component acrylic)
	<i>W-Zinc</i> - zinc-rich primer (organic and inorganic)
Maritime and Offshore	<i>W-Term</i> - phenolic primer/topcoat (up to 220 °C) colors; primer and topcoat zinc, zinc / aluminum and aluminum silicone (up to 600 °C)
	<i>High Performance Antifouling</i>
	<i>Adhesion Promoters</i>
	<i>Shop Primers</i>
	<i>Anti-slip Coatings</i>
	<i>Coating on Wet Surfaces and Edges</i>
Nautics	<i>Pipes and Chimney Equipment</i>
	<i>Certified Products</i> - contact with drinking water, ballast tanks and flame retardant.
	<i>Antifouling</i>
	<i>Primers</i>
Special Coatings	<i>Topcoats</i>
	<i>Clearcoats</i>
	<i>Nobac</i> - Antimicrobial coatings line:
	<i>Weglack FRA 952</i> - coatings with flame retardant effect
Civil	<i>W-Poly</i> - protective coating in Polyurea
	<i>New Tech</i> - coatings with nanoparticle technology
	<i>Petrobras Standardized</i>
	<i>W-Thane PDA 514 EasyClean</i> - coatings for walls and facades
	<i>Floor Coating</i> - complete line for industrial floors in general
	<i>Road Surface Marking</i> - products with greater weather resistance
	<i>W-Term Eco Clean</i> - coatings for roofs, tanks and silos

**WEG Coatings** is a guarantee of safety, durability and quality for the industry.

# Powder Coatings

## Strength and versatility

For painting household appliances, aluminum profiles, lamps, auto parts, metal structures, tiles, machinery and equipment, among others. WEG offers a diversified line of powder coatings with state-of-the-art technology and lines with Qualicoat certification classes 1 and 2, among others.

**Polyester**

Coating lines with high weathering resistance.

**Epoxy**

Products that guarantee excellent chemical and anticorrosive resistance.

**Hybrid**

**EPOXY/POLYESTER** resin combination that offers proper resistance for indoor environments.

## LOW-CURE POWDER COATINGS

Low-cure powder coatings are recommended for application on materials where cure is not possible within the specified time for conventional powder coatings due to the characteristic of the substrate or production process. This product provides greater productivity and less energy consumption.



## POLITHERM W-ZN

Epoxy powder coating with corrosion inhibitor. It has high resistance to corrosion in aggressive environments, enhancing anticorrosive protection in cases where phosphate coating is not possible.

WF	Durable line with high weathering resistance.
NOBAC®	Highly chemically resistant antimicrobial system.
W-ECO	Line free of heavy metals
W-Zn	Zinc-rich powder coating with high anticorrosive resistance that can replace chemical galvanizing and zinc plating.
Low-Cure	Recommended for application on substrates that are sensitive to conventional curing temperatures.
WFS line	It has excellent weathering resistance with greater gloss and color retention than other polyester-based coatings.
WFQ line	Super durable line of polyester-based products with Qualicoat Class 1 and 2 certification.
High Build Line	Forms thicker paint films in just one application, replacing double layer applications.
Primid Line Politherm 29	Product line based on TGIC-free (Triglycidyl-isocyanurate) polyester.
New Tech line	Coatings with nanomaterials

## WEG NOBAC® Powder Coatings

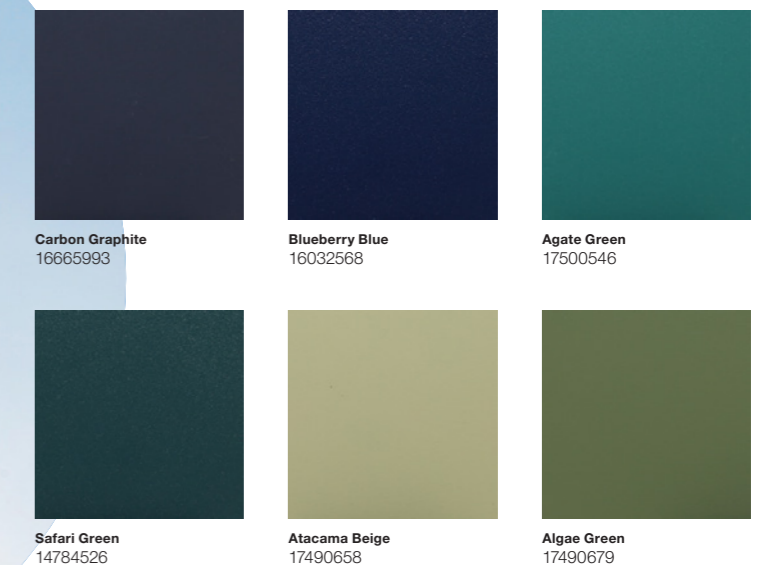
WEG Nobac® coatings have antimicrobial properties, providing reliable and state-of-the-art solutions for cases where hygiene and health are essential, such as operating rooms, medical and dental offices.

## Polytherm 106 WFQ

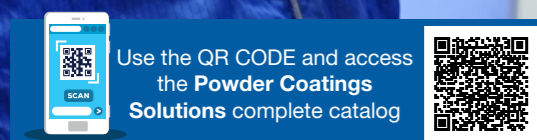
Developed to meet the demanding requirements of the Qualicoat Standard - Class 2 (Approval No. P-1927). High resistance to color and gloss degradation caused by exposure to the weather. It is recommended for application on metal structures and aluminum frames. High standard topcoats in different colors and finishings.

## Polytherm Architech

Line especially developed to give aluminum profiles the touch of style, good taste and sophistication that your work deserves. There are several options of colors and finishes that delight for their beauty and surprise for their durability. The weather resistance provided by this line gives this material an expectation of minimum durability of 8 years.



\*The Politherm Architech line has 40 color options.



# Resins and Varnishes

**WEG Coatings** develops impregnation and enameling varnishes to meet the quality standards of electronic equipment. This technology is available to the technical support network, dealers and other manufacturers. The entire product line complies with RoHS directive, in addition to several solutions that comply to UL and REACH certifications.



## Enamel for New Tech Wires

Electro-insulating enamels with nanomaterials and alternative renewable sources. They are cresol-free products offering excellent dielectric properties, flexibility, chemical resistance, adhesion and compatibility.

## Impregnation Varnish

Polyester and epoxy-based varnishes, with excellent dielectric properties, flexibility, hardness, chemical resistance and adhesion for low and high voltage motors, transformers and generators of all powers.

## Air and Kiln Drying Varnish

The products stand out for their stability in tanks due to the versatility of application in motors, generators and transformers of different voltages and powers. With a modified polyester polymer base, they feature high weather resistance, high performance and excellent electrical properties with fast curing. The line offers advantages for having solubilization in polymer bases from a renewable source.

## Water-soluble Varnish:

Polyester and epoxy-based impregnation varnish. They are products with low VOCs emission into the environment. A great advantage is the fact that the material is classified as non-flammable and does not produce a hazardous environment. The use of polymeric bases from renewable sources is a highlight of the line.

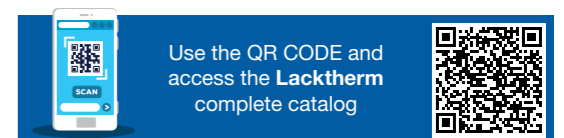


## Unsaturated Imidic Polyester Resin

Its use is indicated for machines that need high chemical, mechanical, thermal and humidity resistance. With high power of agglutination and high solids, it reduces the emission of organic materials into the environment. Its lines comprise single-component and two-component materials, which can be adapted for better application in the field. Its products are considered non-flammable and are diluted in styrene or vinyl toluene, in compliance with REACH.

## Modified Epoxy and Epoxy Resin

The high performance thermal conductivity and low expansion are advantages of this line, with options that meet the requirements for flame resistance and no VOCs emission. They have excellent final performance, providing a robust solution for large equipment and fixation or finishing of electrical machines. It can be recommended for encapsulating general electrical components and finishing windings, encapsulating electromagnet or brake motor, among others.



# Automotive Refinish

## New Technologies with High Quality

Combining advanced technology with our passion for the automotive universe, WEG Coatings offers a series of solutions for the automotive refinishing segment. They putties, primers, *basecoats*, clearcoats and complements that provide simple handling, easy application, productivity and resistance. In our laboratories, we rely on the **spectrophotometer** technology for analysis of color samples with full fidelity.

### W-MIX Color Tinting System

There are 5 technologies available among Polyurethane, High Solids Polyurethane, Polyester, Synthetic and Nitrocellulose Lacquer and more than 45 thousand colors that guarantee the refinishing quality with multiple possibilities.

### W-Mix Color UHT

High solids polyester tinting system, new technology with even more covering power, yield, resistance to UVA and UVB rays. This high-performance system shares the same color system with 45,000 available combinations.

### Primers

Used to promote adhesion, reduce surface imperfections and enable the application of topcoats and clearcoats, our primers meet the different needs of the automotive market.

### Basecoats

Used in smooth, metallic and pearlescent effects, the basecoats enable the formation of colors and effects that meet the needs of the main national and imported automakers.

### Clearcoats

Promote gloss and weathering resistance for automotive coating systems. High technology, fast drying and durability make our automotive clearcoats a great market option.

### Putties and Complements

Developed to correct imperfections, scratches and for filling. Our putties can be used on various substrates such as plastic, metal, among others. The complements help professionals in the preparation, painting and finishing in general.



Use the QR CODE and access the **Automotive Refinishing** complete catalog



# Coatings for glasses and mirrors

## Solutions for Mirrors

- Single-layer coatings
- Double-layer
- Water-based
- Epoxy

### W-LACK HPD 145 PES

Oven-Cured Single-Layer Enamel for silver mirror.  
Thermo-curable anticorrosive coating.  
Curing conditions:  $160^{\circ}\text{C} \pm 5^{\circ}\text{C}$  / 3 minutes.  
Application method: Curtain.

### W-LACK SNA 125 PES

Synthetic Enamel Single-Layer for silver mirror.  
Curing conditions: Air drying.  
Application method: Curtain or spray gun.

### W-LACK MZD 145 PES

Oven-Cured Single-Layer Enamel for aluminum mirror.  
Thermo-curable anticorrosive coating.  
Curing conditions:  $160^{\circ}\text{C} \pm 5^{\circ}\text{C}$  / 3 minutes.  
Application method: Curtain.

## DOUBLE-LAYER SET

### W-LACK HPP 145 PES

Oven-Cured Primer Double-Layer for silver mirror.

### W-LACK HPA 145 PES

Oven-Cured Topcoat Double-Layer for silver mirror.  
Thermo-curable anticorrosive coating.  
Curing conditions:  $160^{\circ}\text{C} \pm 5^{\circ}\text{C}$  / 3 minutes.  
Application method: Curtain.

## Solutions for Glasses

- Oven-cured coatings
- Air drying
- Water-based enamels
- polyurethane enamels

### W-CRIL SEA 622 PVI

Heat-curable acrylic enamel topcoat for glass.  
Curing conditions:  $160^{\circ}\text{C} \pm 5^{\circ}\text{C}$  / 3 minutes.  
Application method: Curtain.

### W-CRIL HYDRO PVI 733

Single-component water-based Acrylic enamel.  
Fast drying product, excellent adhesion to substrates and glass, without the need for adhesion promoters.  
Curing conditions: Air drying / Oven-cured  $80^{\circ}\text{C}$  - 5 to 10 minutes.  
Application method: Spray gun, transfer roller and curtain.

### W-THANE MSA 503 PVI

two-component, oven-cured, aliphatic PU topcoat, excellent direct adhesion to glass. This coating is recommended for painting windows for indoor and outdoor use.  
Curing conditions: Oven  $80^{\circ}\text{C}$  - 30 minutes / Oven  $200^{\circ}\text{C}$  - 3 minutes.  
Application method: Spray gun.

# Paints for plastics

## Solutions for Plastics

The line of products for plastics is available in a large number of colors and finishes and has adherent and protective complements for different segments:

- Automotive
- White Goods
- Durable and non-durable consumer goods



# Customer Service

Closely monitoring our customers is one of **WEG Coatings's** most important goals. Therefore, we have a Technical Assistance Team strongly present throughout the national territory and also in Latin America to guarantee the results of our products and a high level of satisfaction.



Our team is prepared to assist with the most diverse demands:



## Specialized technical service

We have a technical team available to assist in the implementation of our coating solutions.



## Monitoring of the painting processes

In this mode of customer service, our technician remains on-site monitoring the project execution, from the surface preparation to the project delivery.



## Coating system inspections and specifications

We recommend the ideal coating system for your project, taking into account the necessary investment, durability and adequacy to current regulations.



## Monitoring of application and cure performance

Monitoring of critical application and cure variables using thermography, among other techniques.



## Training courses

We offer our customers on-site and distance learning on our entire product line and coating systems on the most varied substrates.



## Training for professional applicators

We hold on-site training courses annually to approve professional applicators of our products.



## Application performance testing

We carry out quality tests continuously, not just in our in-house labs, but during the application of our coatings.



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**

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