

AXALTA COATING SYSTEMS



Touch the Future

Thermoplastic Powder Coatings



Touch

the future



Welcome to the World of Axalta

Axalta has been offering thermoplastic powder coatings to the coatings industry for over 60 years and brings a unique blend of experience, from formulation to powder manufacture and application knowledge. Today we combine this experience and understanding of the market to provide the best protective thermoplastic powder coatings available.

Our Strengths

- Complete product offering to serve all demanding coatings market segments against corrosion for long lasting performance
- Technology and products which rely on many years of experience and reference case studies
- Extended capabilities to offer customized products
- Highly experienced organization with long-lasting history in powder coatings premium services through dedicated team of experts

Our Solutions

Axalta Thermoplastic Powder Coatings provide excellent, lasting corrosion protection and weathering resistance. They're tough enough for lasting performance in a wide variety of aggressive industrial environments and exterior applications, including outdoor furniture, light poles, sign posts, playground equipment, railing and stairways, fencing, cable grids, battery trays, water transportation pipes, valves, fittings and offshore structures.

Your Benefits

- Superior corrosion resistance
- Excellent adhesion to steel substrates
- High impact and abrasion resistance
- Excellent chemical resistance (pH 1 to 12)
- One-pass process: no primer required
- Environmentally responsible: no VOC, halogen and BPA free
- Electrical insulation
- Soft Touch
- Easy to clean

Our Brands

Plascoat®

The universal product family and core offering.

Abcite®

The specialty coating for demanding environments.

WireGuard

The alternative to PVC coating.

Talisman

A unique technology for the appliance market.

Best
performer
on top

Corrosion
categories



How long does your coating last?

Besides traditional corrosion protection systems such as liquid paints or thermoset powders, thermoplastic powder coatings offer many advantages for applicators as well as end users, in temperate and extreme environments.

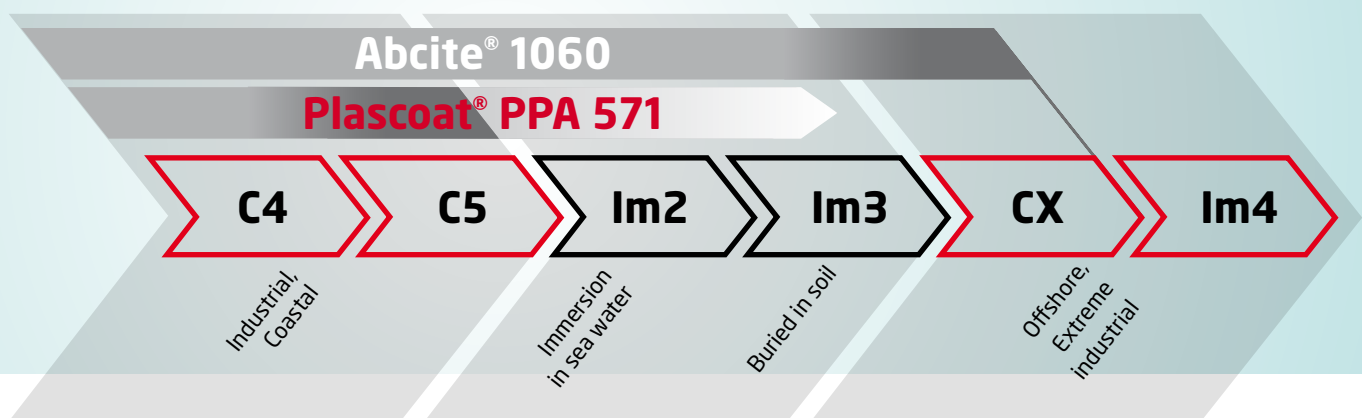
Thermoplastic powder coatings allow to build a relatively thick, non-porous film with excellent impact and chemical resistance - all in one step.

Axalta Thermoplastic Powder Coatings are designed for toughness and chip resistance, without a primer. Applied as a single layer, products like Plascoat® PPA 571 and Abcite® 1060 fulfil the most demanding corrosion protection requirements: from heavy-duty industrial environments to offshore needs, Axalta Thermoplastic Powder Coatings are up to the challenge.

Axalta Thermoplastic Powder Coatings according to ISO 12944-6/-9
On grit-blasted mild steel. For zinc-phosphated HDG steel please contact us.

External tests available

Practical experience



Features

- Excellent adhesion on metal
- Non porous film
- No cracking, peeling or chipping
- Excellent coverage of edges and welds

Key benefits

- Effective and long lasting protection
- Maintenance free coating
- References in all regions of the world, subject to heavy corrosion exposure
- Proven performance through third party testing
- Tried and tested solution up to corrosion category CX
- Effective against all types of corrosion including Microbiologically Influenced Corrosion (MIC)

Recommended products: Plascoat® PPA 571, Abcite® 1060

Solutions

Breaking the limits



Water infrastructure

Water is a precious asset which needs to be safely transported and handled. Axalta offer coating solutions for pipes, fittings, filters, flanges, valves and tanks in contact with water and waste liquids. Furthermore pumping stations, distribution systems, desalination plants and waste water treatment plants are typical application fields for Axalta Thermoplastic Powder Coatings.

Features

- Controlled, tested and certified to the most stringent standards for contact with potable water
- Free of all bisphenols, VOCs and halogens
- No PVC, no phthalates, no plasticizers
- Excellent chemical resistance to standard water disinfection agents
- Superior resistance to cavitation and abrasion
- Reduced friction loss

Key benefits

- Economical one layer application
- Maintenance free and robust over the entire lifetime of the part/structure
- Colour stability over the time
- Impermeable barrier, even with permanent immersion or condensation
- Preserves water quality
- Not affected by sea water or most chemicals present in wastewater

Recommended products: [Abcite® 1060](#), [Plascoat® PPA 571 Aqua](#)



Automotive, Transportation

The automotive and transportation market is well known for its extremely high standards and specifications: safety and long-lasting performance are key.

Axalta Thermoplastic Powder Coatings are used to coat all kinds of automotive accessories: bike racks, pipe fuel tanks, battery casings, door hangs, chassis, springs or all other parts exposed to stone impacts.

Features

- Superior corrosion resistance
- High impact and abrasion resistance
- UV stability
- Oil resistance
- High adhesion and flexibility
- Strong electrical insulator
- Noise dampening properties
- Good edge coverage

Key benefits

- Maintenance free over the entire product lifetime
- Resistant over the years even under toughest climate conditions
- Time saving application process: 1 layer replaces 3-5 layers with better performances
- Colour stability over the time
- No cracking on flexible parts

Recommended products: Plascoat® PPA 571, Talisman

Protect and serve



Outdoor Furniture and Fencing

Outdoor furniture is extremely vulnerable to corrosion caused by acid rain, air pollution, road salt, large temperature variations, condensation and chemical cleaners as well as fouling by animals in urban areas. Damage is even more severe in coastal regions, where sun, salt, wind and humidity attack the coated item very aggressively. The lower part of the furniture is particularly exposed to a high salt environment and fouling from animals; the coated furniture must also withstand high mechanical stress.

Features

- Resistance to all climate conditions, no corrosion even on damaged parts
- High impact and abrasion resistance
- UV stability
- Excellent chemical resistance (pH 1 to 12)
- Protects galvanized substrates from erosion
- Easy cleaning and good resistance to graffiti removal agents
- Electrical insulation
- On site repairable
- Can be overcoated with Alesta® powder coatings
- Maintenance free over the entire product lifetime

Recommended products: Plascoat® PPA 571, Wireguard

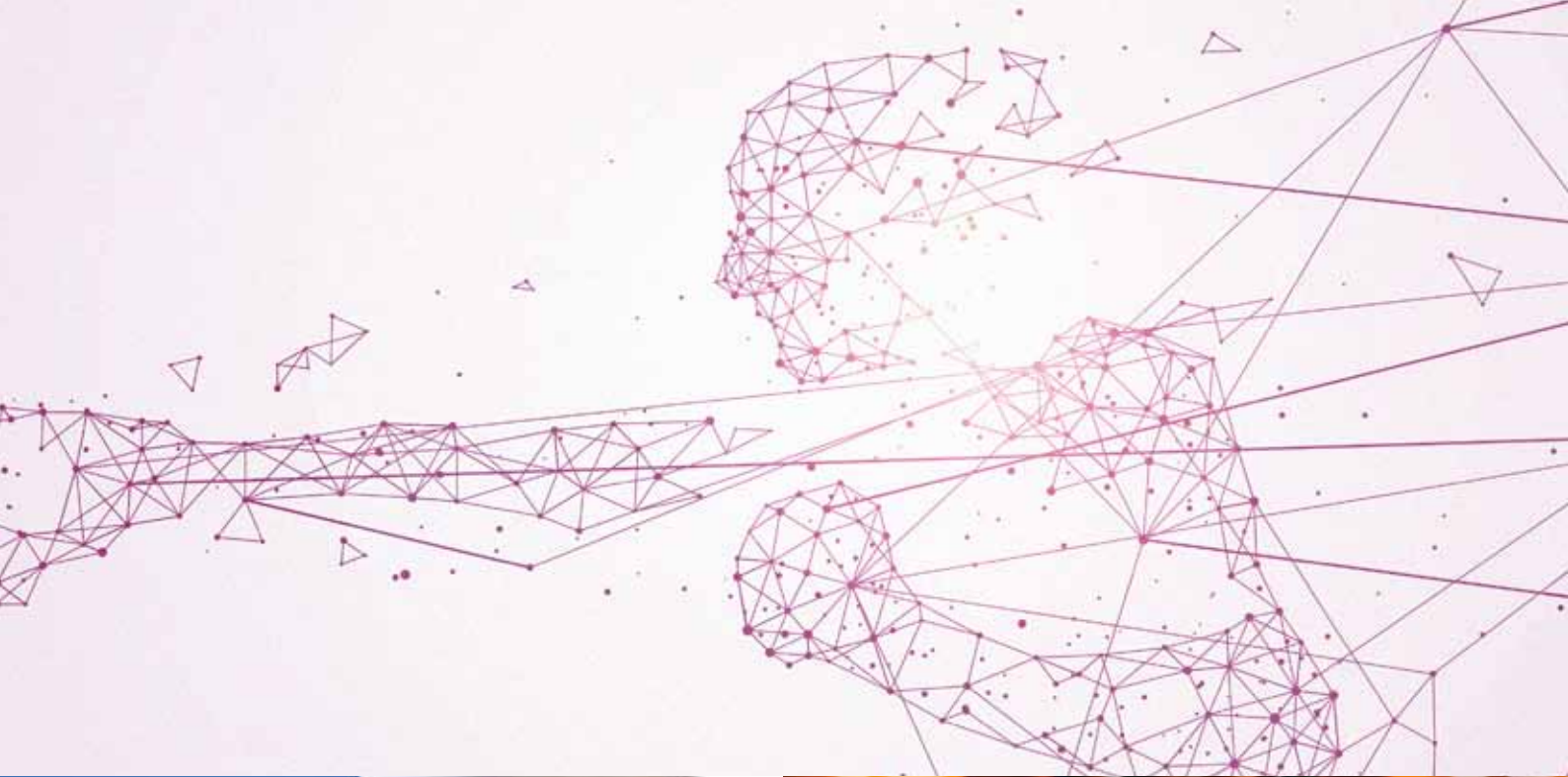
Appliance & Wirework

Whether for refrigerator shelves or kitchenware, dishwasher baskets or freezer evaporation trays, Axalta provides the coating solution. For external wirework, such as protective grilles, mesh paneling or garden products our thermoplastic powder coatings deliver outstanding longevity.

Features

- Easy to apply and economical
- Comprehensive coating coverage
- No cracking or peeling
- Food and water contact compliant
- Enhanced temperature resistance
- Wide colour selection and attractive finish

Recommended products: Talisman, Plascoat® NG 30, Plascoat® PPA 571, Wireguard



Oil and Gas

Axalta provide the Oil and Gas industry with a range of high performance polyolefin coatings for pipelines including field joints, pipe bends and fittings.

Features

- Engineered to meet specific parts of the international standards such as ISO 21809, DIN 30670 and DIN 30678
- Tailored grades for particular application methods such as flame spray and sintering
- Can be used as part of a 3 layer coating system

Recommended products: Plascoat® PE, Plascoat® PP, Roughcoat

Glass Coating

Glassware is frequently used for functional or decorative purposes. Glass offers multiple advantages, but it can break! Axalta brings safety and protection to all types of glassware.

Features

- Superior adhesion on glass substrate
- Improves impact resistance
- Puncture and cut resistant
- Excellent transparency
- High gloss
- Excellent chemical resistance (pH 1 to 12)
- Service temperature from -60 °C to 75 °C (do not use for steam sterilization)
- Environmentally friendly (no VOC, halogen free, BPA free)
- Easy to apply: by spraying or dipping
- Food contact compliant

Recommended products: Abcite® 585EF

(In)visible performance

Fire Extinguishers

No failure is allowed for safety equipment such as fire extinguishers. Our market leading Plascoat® range is the most reliable coating for lining of water or foam filled fire extinguishers, ensuring a lifetime of corrosion protection.

Features

- Meets the relevant EN3 Standard requirements
- Resistance to foaming additives
- Excellent adhesion and long-term protection
- Economical powder use
- Rotational molding and spray coating grades available

Recommended products: Plascoat® PPA 665, Plascoat® PPA 665 XL

Battery Casings

Battery casings for electric vehicles and power back-up systems must be protected against strong acids and provide good electrical insulation. Axalta has been supplying its thermoplastic powder coatings to most major battery casings manufacturers for many years.

Features

- Acid resistant
- Long-term protection
- Excellent adhesion while flexible
- Excellent insulation properties
- Available in industry standard colours

Recommended products: Plascoat® PPA 691, Plascoat® PPA 571





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