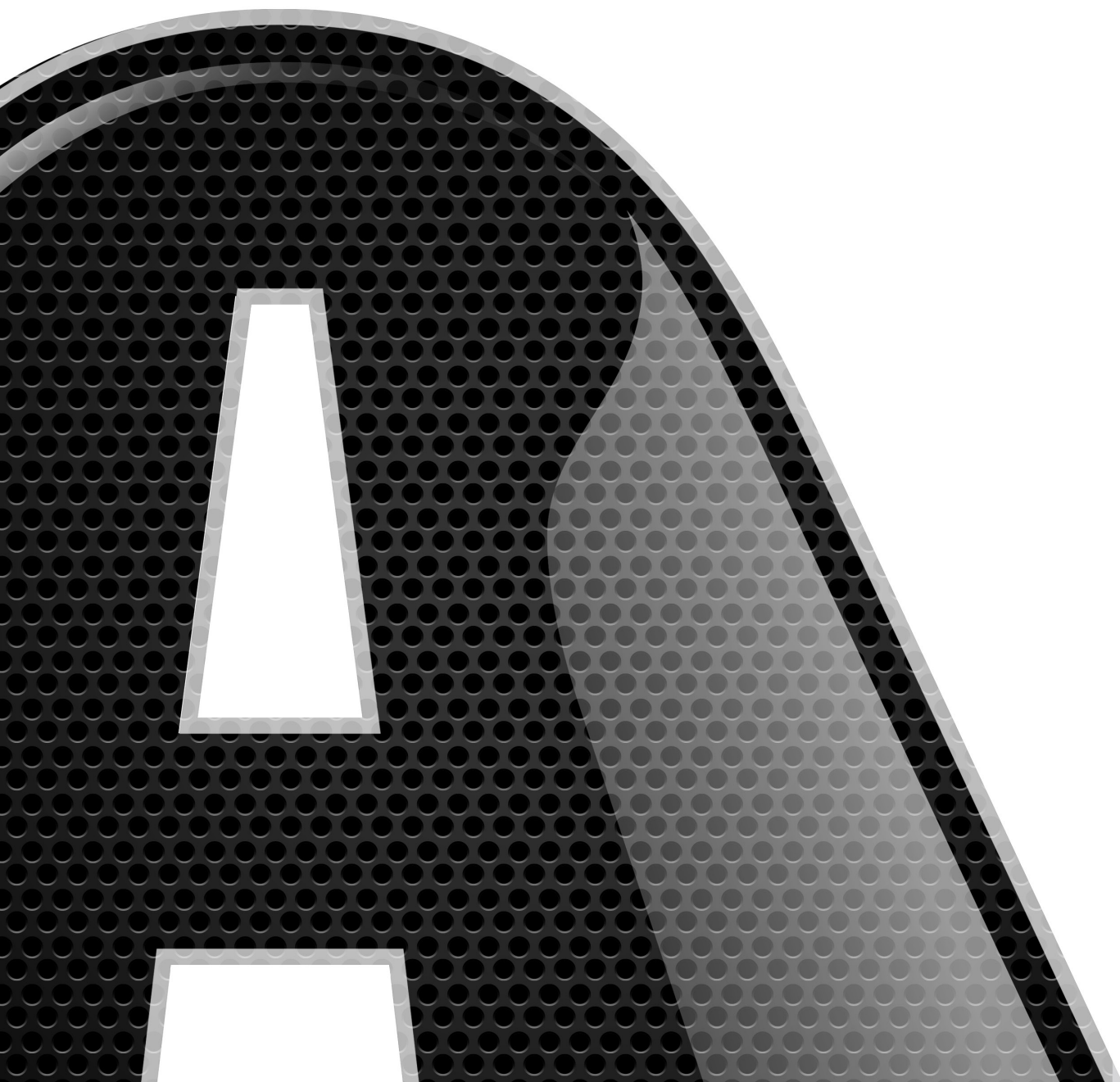


AN AXALTA COATING SYSTEMS BRAND



# Abcite™

*The ideal coating solution for superior corrosion protection*

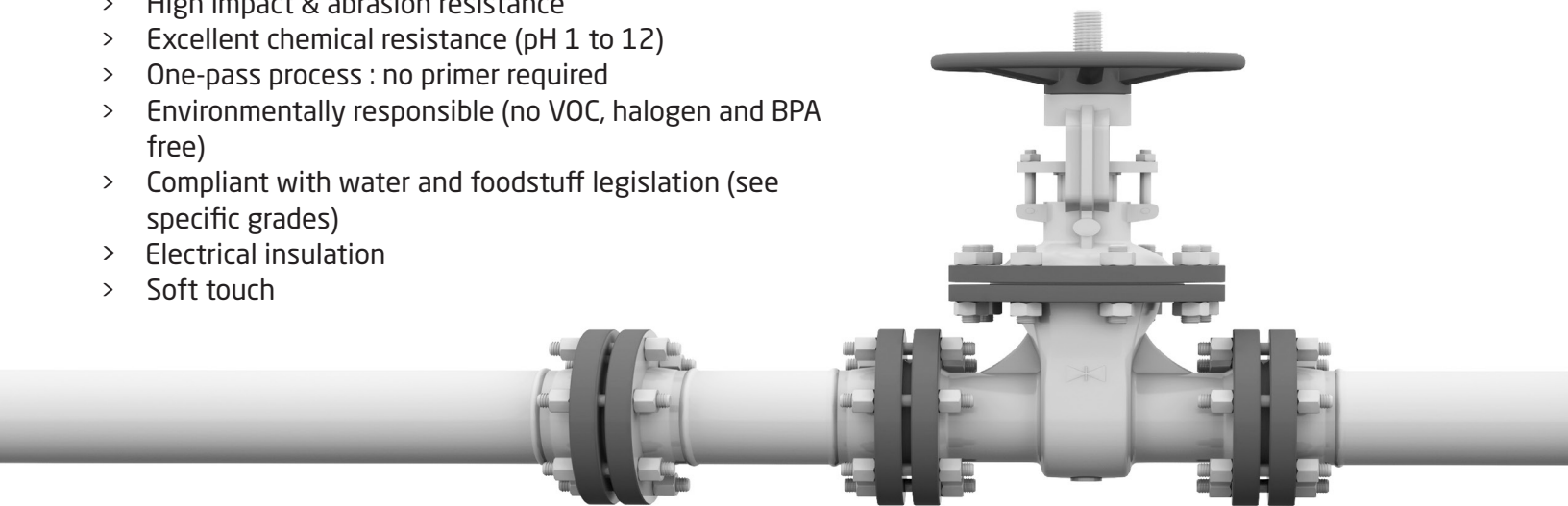


# Thermoplastic coatings that start tough, stay tough.

Abcite™ engineered thermoplastic powder coatings are designed for toughness and chip resistance without a primer. They provide excellent corrosion protection and weathering resistance and can be sprayed electrostatically or fluid bed dipped. 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, offshore vessels, railings and stairways, fencing, cable grids, battery trays, water transportation pipes, valves and fittings and perforated steel.

## Outstanding features

- > Superior corrosion resistance
- > Excellent adhesion to steel substrates
- > High impact & abrasion resistance
- > Excellent chemical resistance (pH 1 to 12)
- > One-pass process : no primer required
- > Environmentally responsible (no VOC, halogen and BPA free)
- > Compliant with water and foodstuff legislation (see specific grades)
- > Electrical insulation
- > Soft touch



## Benefits :

- > Easy to clean
- > Resistant to bacterial growth
- > Noise dampening

# How it works

Abcite powders are made from engineered polyolefin - based polymers combining different functionalities:

- Superior adhesion to many substrates
- Tough and flexible down to -60°C
- Unchanged protection after exposure to UV and many chemicals

## ***So simple but true!***

Abcite is a thermoplastic powder which melts on a pre-heated metal substrate to form a hard, yet flexible, coating. Unlike traditional thermosetting powders, no curing step or primer is needed. Abcite simply melts onto the surface to provide adhesion. When the coating has cooled, the process is complete.

## **Application Methods**

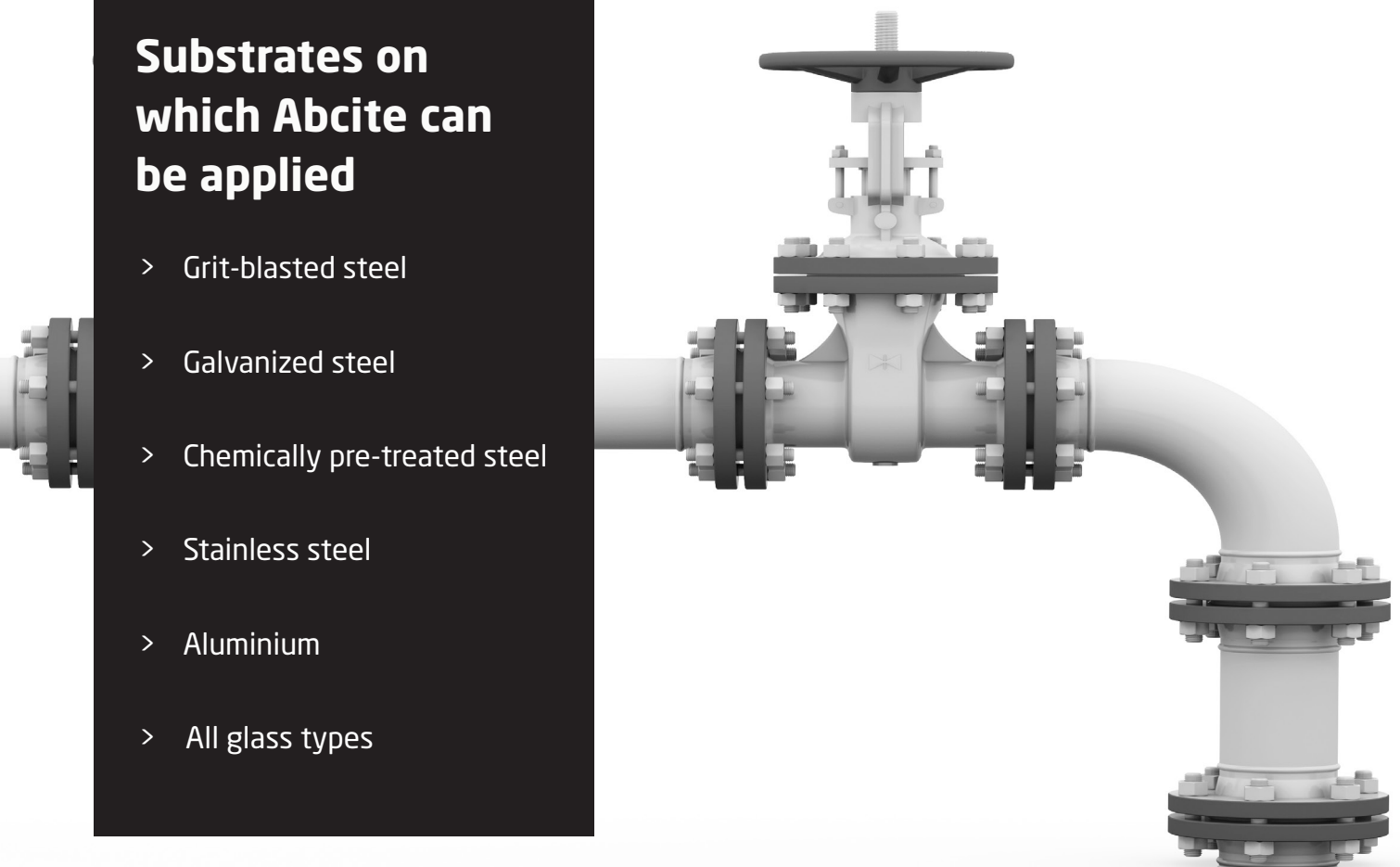
- > ES Spraying
- > Flame Spraying
- > By Dipping (fluid bed)

## **Typical applications**

- > Water infrastructure (piping, valves, filters, fittings)
- > Marine & offshore
- > Transportation
- > Outdoor (fences, furniture/ benches, lamp posts, playgrounds)
- > Shattering protection for glassware

## **Substrates on which Abcite can be applied**

- > Grit-blasted steel
- > Galvanized steel
- > Chemically pre-treated steel
- > Stainless steel
- > Aluminium
- > All glass types



# Proven performance

External tests prove that Abcite meets or exceeds global corrosion, drinking water and food standards, including:

- > ISO 12944 part 6, C5-M and Im3 performance level: High (>15 years)
- > ISO 20340 (Category C5-M) for offshore applications

These tests have confirmed that a single layer of Abcite provides the corrosion protection level usually achieved by a three to five layer liquid paint system.

Other approvals for specific applications and countries available upon request.



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## About Axalta.

Axalta Coating Systems is a leading global provider of liquid and powder coatings to automotive, transportation, general industrial and selected architectural and decorative customers.

Axalta Coating Systems will continue to build on over 145 years of experience in the coatings industry.

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