

Abcite®

Water Infrastructure



Durable and sustainable corrosion protection

Abcite® provides enhanced surface protection for:

- Pipes, fittings, filters, flanges, valves and tanks in contact with water and waste liquids
- Pumping stations, distribution systems, desalination plants, waste water treatment plants, etc.

Safe and clean

- Free of all bisphenols, VOCs and halogens
- No PVC, no phthalates, no plasticizers
- Preserves water quality
- Controlled, tested and certified to the most stringent standards for contact with potable water

Maintenance-free for reduced costs and extended service life

- Impermeable barrier, even in case of permanent immersion or condensation
- Durable adhesion to steel, even in hot water
- Not affected by sea water or most chemicals present in wastewater
- Excellent chemical resistance to usual water disinfection agents
- Reduced bacterial growth and fouling
- Superior resistance to cavitation and abrasion
- Reduced friction loss



Simple and robust

- Coat interior and exterior in one step
- Spray or dip in fluidized bed on preheated steel
- No primer, self-adhering monofilm
- Lower process temperature than nylon coatings
- Excellent edge and corner coverage
- Outstanding impact resistance preventing handling damage
- Easy repair of coating defects



Product features

Abcite® 1060 / Abcite® X60

Film thickness	Min. 300 µm	
External application - weathering resistance	Yes	
Application method - on preheated surface	Spraying Abcite® X60	Fluidized bed Abcite® 1060
		
Overcoating with decorative powder possible	Yes	
Colors	White RAL 9016, Blue RAL 5012, Blue RAL 5017, grey RAL 7001, Other colors upon request	
Long term durability of coated product	Active references in use for more than 20 years without any maintenance	



Abcite®, a proven solution for more than 20 years

- Replacing epoxy coatings since 1995 in major potable water plants in Belgium (De Watergroep, AWW, Farys, Pidpa, Vivaqua).
- Kwinana desalination plant, supplying the Perth metropolitan area (Australia) with 140'000 m³ drinking water per day using reverse osmosis. Abcite® X60 is used since 2006 to protect pre-filters.
- Swimming pool in Antwerp Belgium: handrails, balustrade and steps protected with Abcite® X60 since 2010.
- Abcite® 1060 protects pipes and accessories on dredging ships since 1999 (DEME, Boskalis, Van Oord).



Voice of the customer

Ing. Jos Robeyns
Head of material technology department at De Watergroep,
Brussels (Belgium):

"We have adopted Abcite® 1060 and X60 since 2001 for water supply systems, including potable water production plants, water towers, tanks and distribution stations, with full satisfaction.

In addition to its excellent abrasion resistance and high electrical insulation, this tough coating can absorb all inevitable impacts occurring on construction sites and prevent installation damage.

The first systems coated 14 years ago are still intact today, which demonstrates the outstanding durability of this coating."

Approvals*:



- NSF/ANSI 61 (USA)
- KTW and DVGW (Germany)
- WRAS (UK)
- AS/NZS 4020 and 4158 (Australia and New Zealand)
- ACS Attestation de Conformité Sanitaire (France)
- Belgaqua Hydrocheck (Belgium)

* Certificates valid for certain colors. Please contact your Axalta Coating Systems representative for additional information



Axalta Polymer Powders Switzerland Sarl

25 rue Saint Joseph
CH-1630 Bulle
Tel: +41 26 913 09 10
Fax: +41 26 913 01 99
Abcite-info@axaltacs.com

Your local contact can be found at:
www.polymerpowders.axaltacs.com

Your Abcite® partner

