

# Abcite<sup>®</sup>

## Marine and Offshore



# Certified protection for marine and offshore structures

Coatings for parts and components used in offshore environments have to fulfill very stringent requirements.

High humidity and saline air in combination with intensive UV radiation create a highly corrosive environment. At the same time the coating is exposed to extreme mechanical stress in the splash zone.

Abcite® has proved its worth for many years under these conditions. A unique one layer, primer-less coating which fulfills the highest corrosion requirements and can replace up to 6 layers of conventional protective coating - all in one!

## Maintenance-free for reduced costs and extended service life

- Superior corrosion resistance, UV & salt spray resistance: C5-M high according to ISO 12944-6 and C5-M according to ISO 20340
- Impermeable barrier even in permanent immersion or condensation
- Suitable for extreme climate conditions: from -60°C to +75°C
- Durable adhesion to steel, even in hot water
- Excellent chemical resistance to most kinds of water
- Reduced bacterial growth and fouling
- Superior resistance to cavitation and abrasion
- Reduced friction of water flow, reducing pressure drop

## Easy to apply and robust

- Coat interior and exterior in one step
- Spray on preheated steel or dip in fluidized bed
- No primer needed (self-adhering film)
- Lower process temperature than nylon coatings
- Excellent edge coverage
- Outstanding impact resistance preventing handling damage
- Easy repair of coating defects
- Excellent color stability over time

## Safe and clean

- Free of bisphenols, VOCs and halogens
- No PVC, no phthalates, no plasticizers
- Preserves water quality

## Application examples

- Suction pipes and other piping on dredging boats
- Railings, valves and fittings on chemical tankers
- Ladders, balustrades and metallic structures exposed to marine climate
- Immersed metallic structures or structures in splash zone
- Port infrastructure
- Fire lines on offshore or marine infrastructure



# Product features

## Abcite® 1060 / Abcite® X60

Film thickness	Min. 300 µm	
External application - weathering resistance	Yes	
Service temperature	From -60°C to 75°C	
Application method - on preheated surface	Spraying Abcite® X60	Fluidized bed Abcite® 1060
		
Overcoating with decorative powder possible	Yes	
Colors	Blue RAL 5012 and RAL 5017 Green RAL 6005 Grey RAL 7001 and 7016 Black RAL 9005 White RAL 9016*	
Durability of coated product	Active references in use for more than 20 years without any maintenance	

\*Other colors upon request

## Abcite®, a proven and reliable coating solution for the most demanding environments

Since 1999, Abcite® 1060 and X60 are used to protect dredging ships built by Royal IHC. Jet water pipes, inboard suction pipes and various other water pipes remain fully protected and maintenance-free since the ships commissioning. Boskalis, DEME, Van Oord, Royal Huisman, Meyer Werft and Thyssen Krupp are some of the names on the long list of Abcite® users.

## Voice of the customer

Jeroen Klijn  
Technical Director  
Stout Pijpleidingen BV

"We are using Abcite® for many years as repair solution for the pipes installed on vessels. Old corroded pipes will be replaced by new ones protected by Abcite®.

The outstanding properties of Abcite®, its chemical and abrasion resistance for instance, allow us to offer our customers a long term and maintenance free protection, which is an invaluable benefit for the marine industry.

We are convinced, that Abcite® is the perfect solution for us and our customers, for an excellent and durable corrosion protection."



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