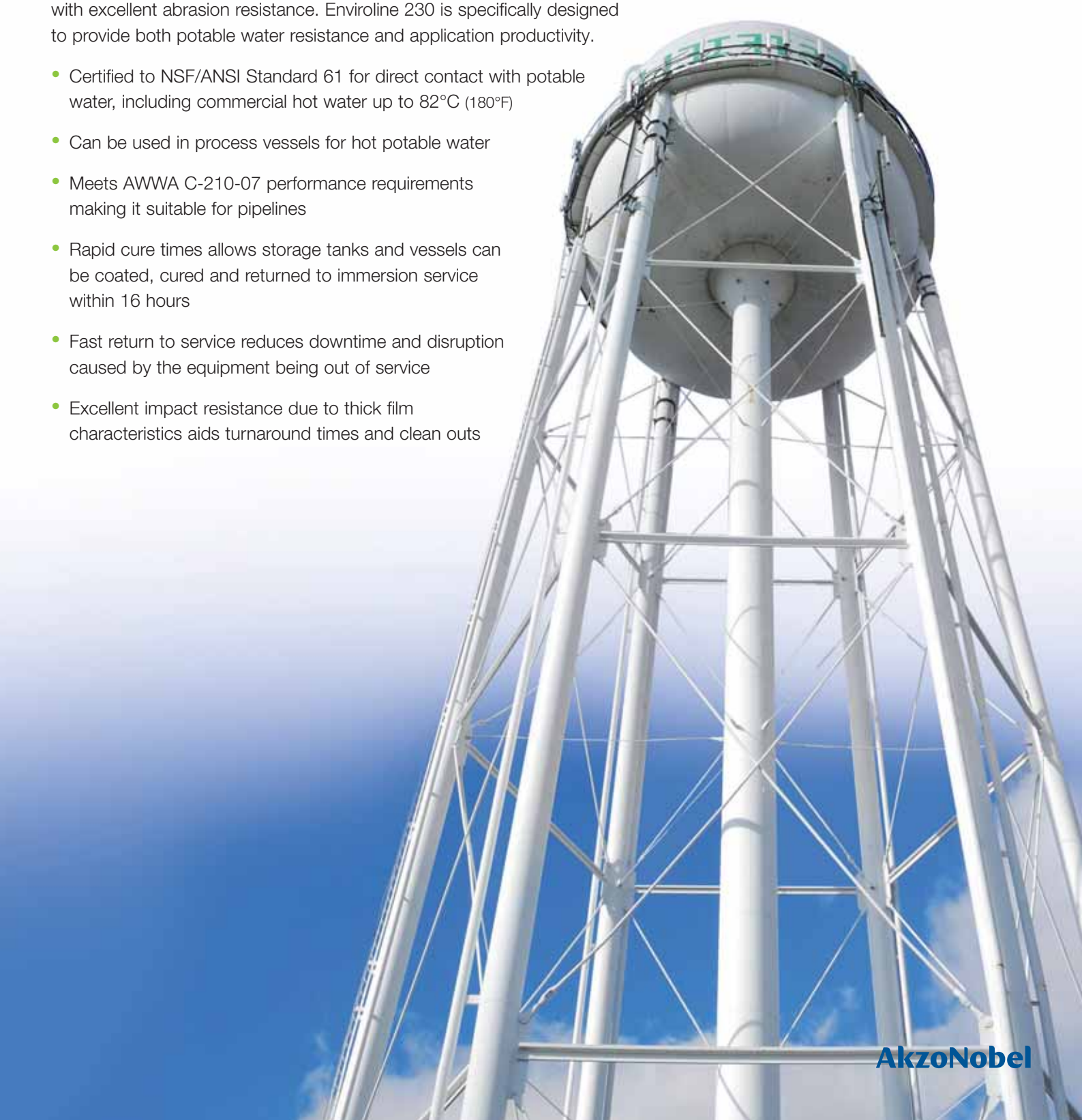
International

Enviroline 230

Advanced performance lining for potable water

A high performance, two component, solvent free epoxy phenolic lining with excellent abrasion resistance. Enviroline 230 is specifically designed to provide both potable water resistance and application productivity.

- Certified to NSF/ANSI Standard 61 for direct contact with potable water, including commercial hot water up to 82°C (180°F)
- Can be used in process vessels for hot potable water
- Meets AWWA C-210-07 performance requirements making it suitable for pipelines
- Rapid cure times allows storage tanks and vessels can be coated, cured and returned to immersion service within 16 hours
- Fast return to service reduces downtime and disruption caused by the equipment being out of service
- Excellent impact resistance due to thick film characteristics aids turnaround times and clean outs



AkzoNobel

Enviroline 230 is certified to NSF/ANSI Standard 61

With rapid cure, high build and durable film characteristics, Enviroline® 230 is an easy choice for coating steel and concrete substrates which will be holding potable water.

NSF / ANSI Standard 61 certification

Certified to the rigorous NSF standards for continuous potable water immersion up to temperatures of 82°C (180°F), Enviroline® 230 is a lining you can trust when it comes to long term performance.

Short and long term benefits

Enviroline® 230 is a thick film coating and can be applied as a single coat through conventional airless equipment. Excellent abrasion and impact resistance combined with fast cure enables both a quick return to service in the short term and reduced turnaround times and clean outs in the long term.

Technical information

Volume solids	100%
Typical thickness	500 - 1,250µm (20 - 50 mils) dft
Application method	Plural component or conventional airless spray

Test data

TEST TYPE	TEST METHOD	RESULTS
Taber abrasion resistance	ASTM D4060 (1,000 cycles/CS-17/1kg) - Weight loss - Wear rate (per 1,000 cycles)	 52mg 0.40 mils
Direct impact resistance	ASTM D2794	160in-lbs
Adhesive strength to concrete	ASTM D4541	450psi (37.2kg/cm²) cohesive failure within concrete
Adhesive strength to steel	ASTM D4541	Typically > 10MPa (1450psi)
Cathodic disbondment (attached cell method)	CAN/CSA Z245.20-M92 (ASTM G95) 3% NaCl/1.5V/28 days 0.125 inch (3.2mm) holiday	 @ 24°C (75°F) 0mm disbondment @ 65°C (149°F) 6.0mm disbondment
Hot water resistance	ASTM C868-02 @ 82°C (180°F)	No blistering, rusting, softening, or delamination
NSF/ANSI Standard 61	ANSI/NSF Standard 61	Certified by NSF up to 82°C (180°F)
Permeation testing	ASTM D790 100% RH @ 60°C (140°F)	Avg WVT – 21.8 meters sq/day Avg permeance – 0.0144 perm Avg permeability – 0.00069 perm inch

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

www.international-pc.com
pc.communication@akzonobel.com

G2_230_UK
08/14