

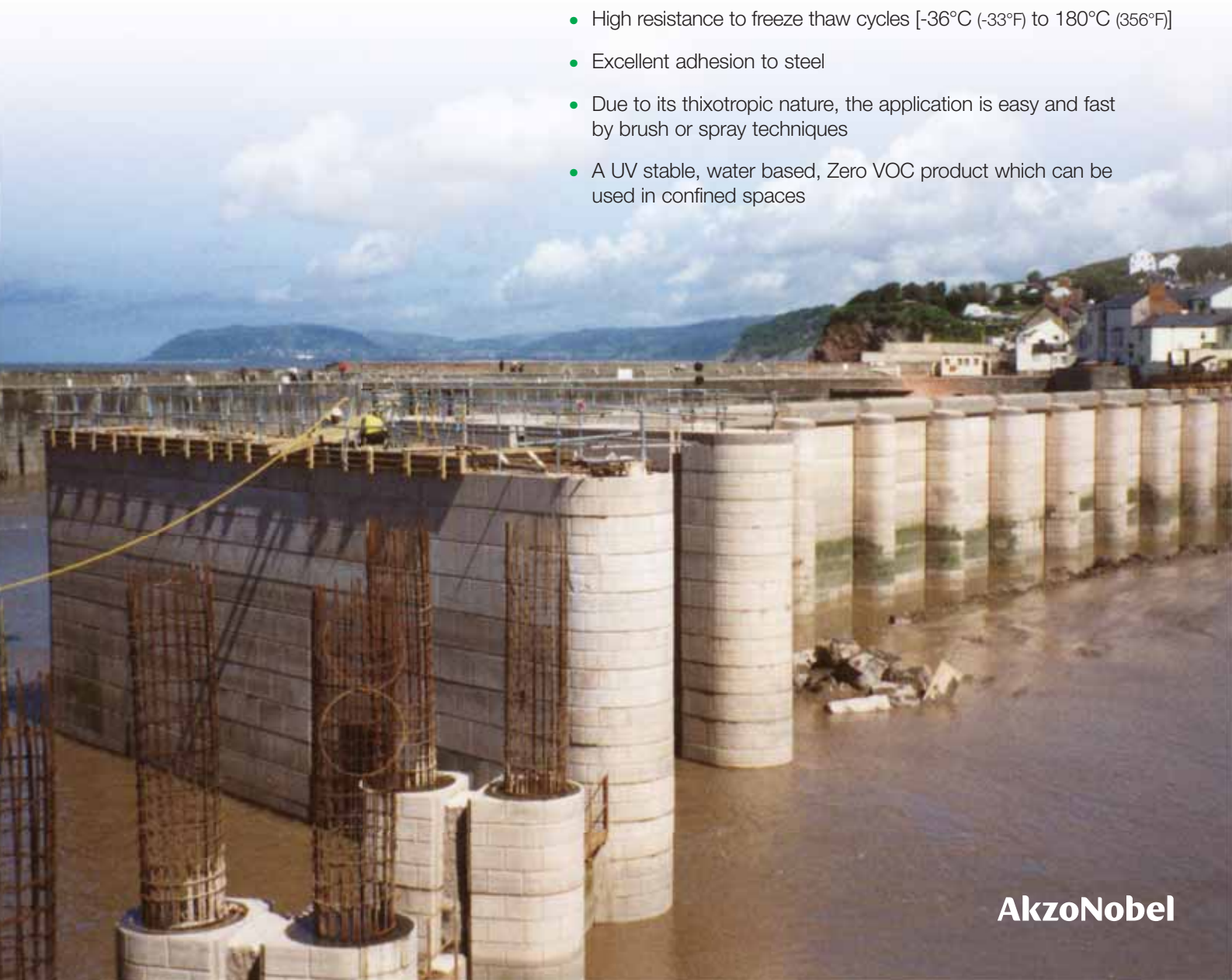
# Intercrete 4840

## Enhanced chemical and abrasion resistant waterproofing coating

Intercrete™ 4840 is an epoxy and polymer modified cementitious coating used for waterproofing and protection of concrete from impact, abrasion and harsh chemical environments. The product can be reinforced with Intercrete™ 4872 to accommodate movement in cracks and joints.

It is Portland cement based for ultimate compatibility with concrete and offering long term protection to steel substrates.

- Excellent waterproofing capabilities – resists up to 10 bar (145psi) positive and negative pressure
- Can be used on damp or green concrete thus ensuring rapid return to service
- Provides protection against carbonation and chloride attack
- Passivates corrosion by resisting diffusion of oxygen
- Excellent impact and abrasion resistance
- Resists a range of chemicals
- High resistance to freeze thaw cycles [-36°C (-33°F) to 180°C (356°F)]
- Excellent adhesion to steel
- Due to its thixotropic nature, the application is easy and fast by brush or spray techniques
- A UV stable, water based, Zero VOC product which can be used in confined spaces



# A versatile, durable yet simple solution

The chemical resistant nature of the product allows it to be used in a variety of applications such as: to protect concrete in sulphate contaminated grounds; for resistance to acidic gases like hydrogen sulphide in wastewater industry; for protection against chloride attack from soluble salts on bridges and in marine and coastal regions in immersed/non immersed conditions

## Key application areas:

- Manholes
- Sewage Tanks
- Wet wells
- Clarifiers
- Coastal defence walls
- Bridges



Technical data					Test data	Test method	Results
Color:	Grey Matt				Compressive strength	BS4551 @ 20°C (68°F)	50-60 MPa
Volume solids:	100 %				Flexural strength	BS4551 @ 20°C (68°F)	11-14 MPa
Density:	1850 kg/m <sup>3</sup> (18.5 lb/gal)				Adhesive strength	Concrete	> 2MPa
Typical dry film thickness:	2000 µm (79 mils)					Steel	> 3MPa
VOC's	0 g/L				Water Permeability Coefficient	DIN 1048 Part 1	1.43 x 10 <sup>-17</sup> m/s
Drying time	Touch dry	Hard dry	Min	Max	Oxygen diffusion coefficient	Taywood test	4.42 x 10 <sup>-5</sup> cm <sup>2</sup> /s
20°C (68°F)	5hrs	18hrs	45min	7days	Cathodic disbondment	ASTM G8 and ASTM G42 mod	Pass

## Intercrete™ 4840 will give resistance to a range of chemicals and solutions

- Acidic aqueous solutions: pH 3-7
- Caustic solutions: pH 7-13
- Municipal waste
- Oil derivatives such as diesel, skydrol and methanol

The product has been tested in a range of specific chemicals at varying concentrations for full immersion exposure and splash and spill conditions. Please consult your local representative for a detailed recommendation.

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