

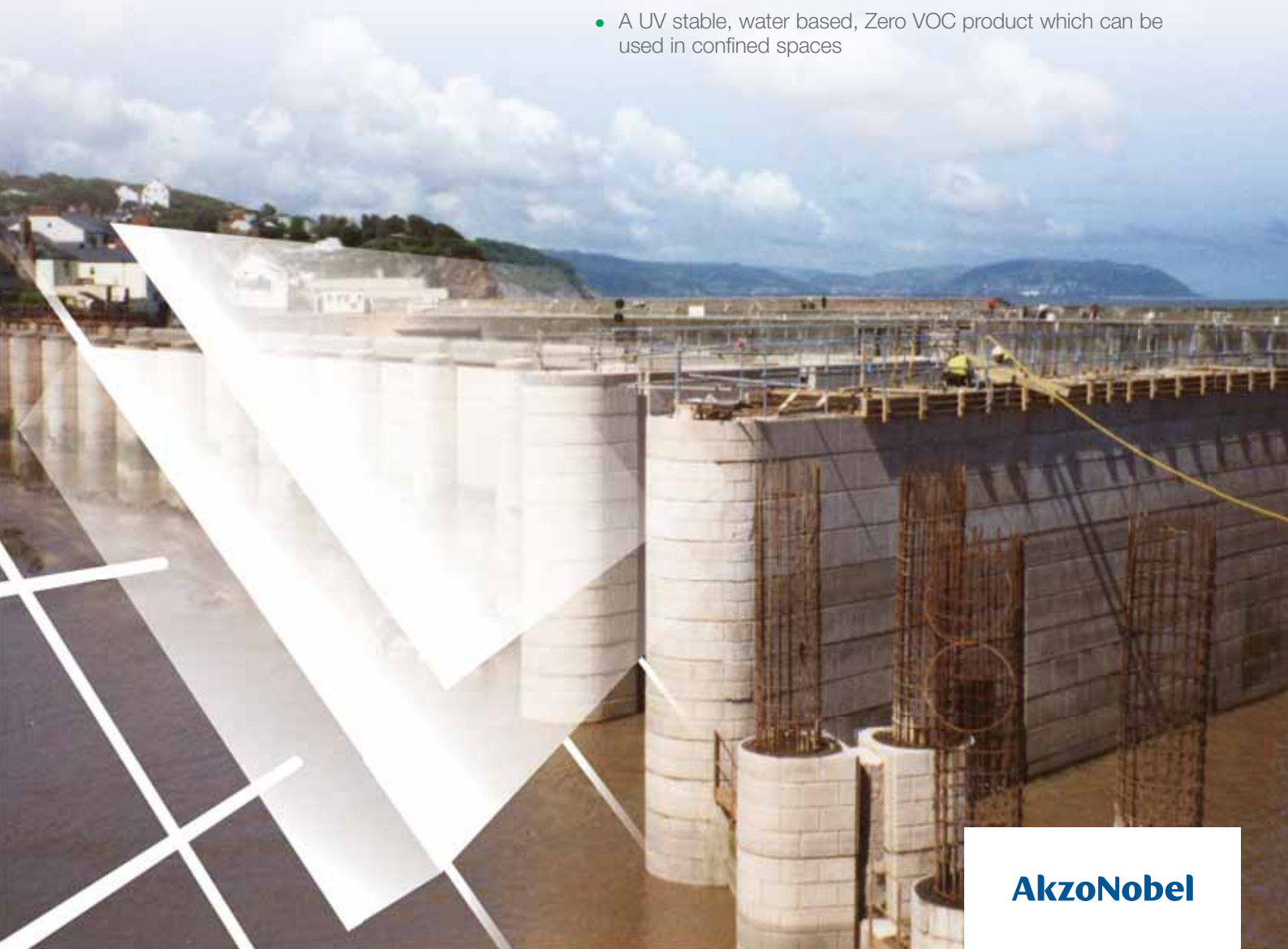
Intercrete 4840

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 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 to 180°C)
- 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
Colour:	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 ³				Adhesive strength	Concrete	> 2MPa
Typical dry film thickness:	2000 µm					Steel	> 3MPa
VOC's	0 g/L				Water Permeability Coefficient	DIN 1048 Part 1	1.43 x 10 ⁻¹⁷ m/s
Drying time	Touch dry	Hard dry	min	max	Oxygen diffusion coefficient	Taywood test	4.42 x 10 ⁻⁵ cm ² /s
20°C (68°F)	5hrs	18hrs	45min	7days	Cathodic disbondment	ASTM G8 and ASTM G42 mod	Pass

Intercrete 4840 will give resistance the following chemicals

50% Magnesium sulphate
 40% Ferrous sulphate
 20% Sulphuric acid
 20% Ammonium sulphate
 15% Sodium hypochlorite

Skydrol
 Methanol
 Synthetic silage
 20% Acetic acid
 Diesel

20% Ammonium nitrate
 20% Hydrochloric acid
 50% Sodium hydroxide

For more aggressive environments International Paint has an extensive range of protective coatings that can be used in isolation or in combination with Intercrete 4840. Please contact your local representative for more information.

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