

Intersleek® 7180

Linkcoat for Intersleek® foul release systems

Product Description

A two pack linkcoat for foul release systems. Allows the application of Intersleek®700 and Intersleek®900 foul release systems over a wide range of existing biocidal antifouling technologies, including Self Polishing Copolymers, Self Polishing Antifouling, Duplex Schemes and Controlled Depletion Polymers. Suitable for use at Newbuilding or Maintenance and Repair.

Features

Compatible with a wide range of biocidal antifouling systems

Removes requirement for full blasting

Smoother hull

Acts as a barrier to prevent biocides leaching from existing antifouling

Benefits

Control of conversion to Intersleek® systems
Improved vessel efficiency through excellent fouling control and smooth hull

Reduction in surface preparation & expense of full blast
Reduced time in drydock
Less waste disposal

Creates a smooth surface lowering the hull roughness and improving vessel efficiency

Freedom from future biocide restrictions

Product Information

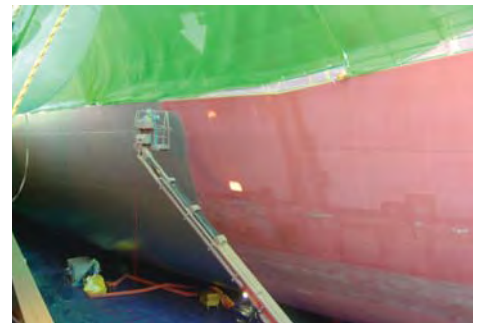
Colour	BXA727 Red Brown
Surface preparation	HPFWW to remove leached layer
Volume solids	56% ±2% (ISO3233:1998)
Typical film thickness	100 microns
Hard dry	9 hours @ 25°C
Minimum application temperature	10°C
Method of application	Airless Spray, Brush, Roller

For each of our products the relevant Product Data Sheet, Material Safety Data Sheet and package labelling comprise an integral information system about the product in question. Copies of our Product Data Sheets and Material Safety Data Sheets are available on request or from our website.

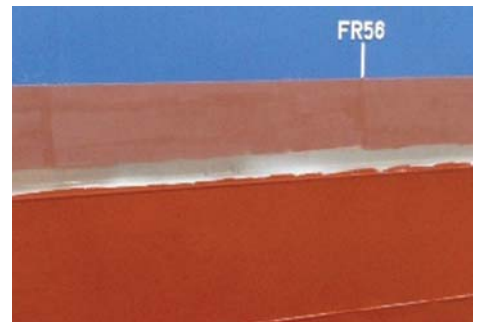
Intersleek®7180 Linkcoat application over a wide range of substrates



Self Polishing Copolymer



Self Polishing Antifouling



Controlled Depletion Polymer

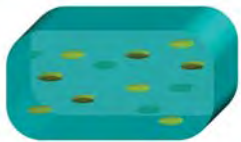
Intersleek® 7180

Dual Cure Technology

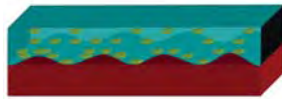
Intersleek® 7180 uses a specialised dual-cure technology (DCT) - a combination of:

- Epoxy-amine cure to give excellent drying and barrier properties
- Secondary cure using flexible polymer chemistry which enhances adhesion to a range of different antifouling surfaces

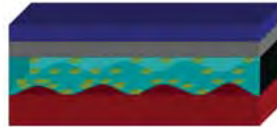
The special properties created by DCT start working immediately



Upon mixing



During application



In-service

When components are mixed together, both reactions start immediately creating distinct phases.

When applied over an existing biocidal antifouling, the phases migrate to the surface and enhance the adhesive strength

Filling-in the rough surface of the existing antifouling gives a smooth finished surface almost as good as full blast

Reducing Surface Roughness

By applying Intersleek® 7180 followed by the full Intersleek® scheme, the surface roughness of the biocidal antifouling can be significantly reduced producing a smoother hull. This is demonstrated by following the Intersleek® scheme application using highly accurate laser profiling:

In-dock condition of antifouling after high pressure fresh water washing

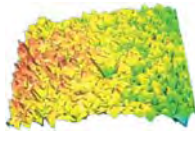
Intersleek® 7180 applied by airless spray to 100µm dry film thickness

Intersleek® 7180 and Intersleek® tiecoat applied. Total new dry film thickness of 200µm

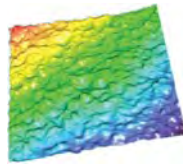
Intersleek® scheme completed with application of finish coat. Total new dry film thickness of 350µm



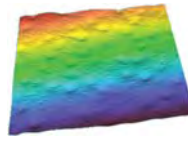
Typical roughness 300-350µm



Typical roughness 200-255µm



Typical roughness 125 - 175µm



Typical roughness 80-100µm

Reduction in Costs Compared to Full Blast

Using Intersleek® 7180 linkcoat, initial investment savings of around 30% can be achieved compared to full blasting. Example: 18,000 m² vertical sides only on a Very Large Crude Carrier (VLCC) would save in the region of \$450,000



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Intersleek® Linkcoat application



In-dock condition after HPFWW



Application of Intersleek® linkcoat



Completed Intersleek® scheme



Completed Intersleek® scheme

