International

Interthane®990

Acrylic polyurethane cosmetic finish

Product Description

Interthane®990 is a two component, acrylic based polyurethane cosmetic finish. Optimised to give excellent durability, good long-term recoatability and reduced maintenance costs.

Interthane®990 is intended to be used on external vessel areas above the waterline, for use at Newbuilding, Major Refurbishment or On Board Maintenance, offering a high gloss durable finish.

With a track record of >9000 vessels, Interthane®990 has an extensive proven track record across all vessel types.

Features	Benefits
Excellent gloss and colour retention	Premium appearance with resistance to dirt pick up and reduced maintenance costs
Acrylic polyurethane technology	Mechanically and chemically tough systems that resist damage and minimise in service maintenance needs
Extended recoatability and low temperature cure	Easy cost effective maintenance with year round workability
420g/l VOC content (EPA Method 24)	Control of solvent emissions
Low solar absorption (LSA) options available	Reduced thermal transfer to internal spaces keeping passengers and crew spaces cooler

Product Information

Colour	Available in a wide range of colours
Surface preparation	Should always be applied over a recommended primer
Volume solids	57% ±3% (ISO 3233:1998)
Typical film thickness	50 microns dry (88 microns wet)
Hard dry	6 hours @ 25ºC
Minimum application temperature	-5ºC
Method of application	Airless Spray, Brush, Roller, Conventional Spray

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.

In Service Performance

Interthane®990 applied over Intergard®263 on topsides and superstructure

Interthane®990 on decks after 12 months in service

Interthane®990 applied to topside and decks

AkzoNobel

Interthane®990

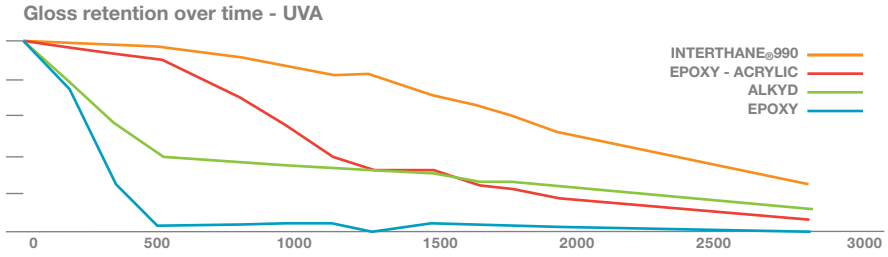
Binder Technology

Interthane®990's proven in service performance shows extended durability in comparison to other cosmetic finishes.

Comparison of key coating properties for the various types of cosmetic finish

Chemistry	Acrylic Polyurethane (Interthane®990)	Epoxy finish	Acrylic finish	Alkyd finish
Resistance to mechanical damage	Fair	Good	Poor	Poor
Resistance to solvent/chemical spillage	Good	Good	Poor	Poor
Resistance to chalking	Very good	Poor	Good	Fair
Initial gloss	Excellent	Good	Good	Very good
Gloss retention	Very good	Poor	Good	Good
Colour retention	Very good	Poor	Good	Fair
Ease of cleaning	Very good	Fair	Fair	Good

In Service Performance



The polyurethane binder within Interthane®990 has a very good resistance to the detrimental effects from natural sunlight and is able to slow down the onset of chalking, gloss loss and colour change therefore maintaining the cosmetic properties of gloss and colour.

Drying Information	-5ºC	5ºC	25ºC	35ºC
Touch Dry (ISO 1517:73)	8 hrs	5 hrs	1.5 hrs	60 mins
Hard Dry (ISO 9117:90)	60 hrs	24 hrs	6 hrs	4 hrs
Pot Life	26 hrs	12 hrs	2 hrs	60 mins

Overcoating Data - see limitations	**Substrate Temperature**							
	-5ºC		5ºC		25ºC		35ºC	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interthane®990	60 hrs	ext	24 hrs	ext	6 hrs	ext	4 hrs	ext

Note Drying and overcoating times quoted are measured at 50 microns dry. At higher film thickness, times will be increased.

Key Advantages During Application

Professional premium appearance with improved resistance to dirt pick up.

Excellent colour retention, maintaining good cosmetic performance over extended in service periods

Surface tolerant, can be applied directly over aged surfaces reducing preparation costs

Superior gloss retention enhancing operator image

To find out more visit: www.international-marine.com

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