

Intercure 99

Increase your productivity

As a single coat polyaspartic primer finish, Intercure® 99 can replace two coat systems for ISO 12944 C3 environments.

Drying hard in 1½ hours at 25°C (77°F), Intercure® 99 can increase productivity, reduce VOC levels and provide anti-corrosive protection with long lasting aesthetics.

- High solids polyaspartic
- Single coat direct to metal application for ISO 12944 C3 environments
- Satisfies ISO 12944 C4 and C5 environments with a suitable primer
- Rapid cure maximizes fabrication throughput
- Fast forming abrasion resistance enables early handling and minimizes damages
- Available in a wide range of colors via the Chromascan® mixing scheme
- Excellent long term aesthetic performance
- Low temperature cure down to 5°C (41°F)
- HAPS free formulation

Polyaspartic technology

Intercure® 99 is a premium direct-to-metal coating from International®. Based on polyaspartic technology, Intercure® 99 offers fast drying even at low temperatures to help increase productivity and throughput.

Simple specification

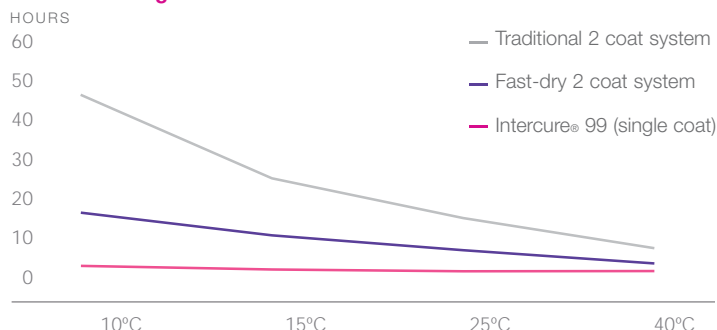
Whatever the environment, Intercure® 99 can meet requirements simply and effectively by eliminating one complete coat:

- In moderately corrosive conditions up to ISO 12944 C3, a single coat of Intercure® 99 can be applied direct to a variety of substrates.
- For more corrosive environments such as C4 and C5, Intercure® 99 can be applied over a suitable primer to provide long term corrosion protection.
- In both scenarios, Intercure® 99 allows the coated structure to be moved or returned to service much faster than with traditional multicoat systems.

Complexity reduction

Intercure® 99 is not the only polyaspartic coating available from International, we also offer a semi-gloss version in the form of Intercure® 4500. Both products now share the same mix ratio (4:1 by volume) and curing agent, so can be interchanged more easily.

Faster handling



Technical information

Color	Wide range via Chromascan® system		
Volume solids	80% ±3%		
Film thickness	150 - 250 microns (6 - 10 mils)		
Mix ratio	4:1 by volume		
Temperature	Touch Dry	Hard Dry*	Min. Recoat*
5°C (41°F)	1½ hours	4 hours	4 hours
15°C (59°F)	1 hour	3 hours	3 hours
25°C (77°F)	½ hour	1½ hours	1½ hours
40°C (104°F)	½ hour	1½ hours	1½ hours
VOC's	1.83 lb/gal (220g/l) EPA method 24 165 g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)		

* Dry times will be significantly faster in high humidity conditions

Test data

	TEST METHOD	SPECIFICATION DETAILS	RESULTS
Anti-corrosive	ISO 12944 C3 comprising 480 hours Hot Salt Spray 240 hours Condensation @ 35°C (95°F)	1 x 175 microns (7mils) dft. ISO 8501 Sa2½ or SSPC-SP6 blasted substrate	No blistering and less than 1mm creep from the scribe on completion of the test
Adhesion	ISO 4624	1 x 175 microns (7mils) dft. ISO 8501 Sa2½ or SSPC-SP6 blasted substrate	Typically greater than 12MPa (1,740 PSI)
Impact	ASTM D2794	1 x 175 microns (7mils) dft. ISO 8501 Sa2½ or SSPC-SP6 blasted substrate	Typically no disbondment following a 6 joule direct impact
Gloss retention	ISO 11507	1 x 175 microns (7mils) dft. ISO 8501 Sa2½ or SSPC-SP6 blasted substrate	>60% retention after 1,500hrs QUV-A exposure
Abrasion resistance	ASTM D4060	1 x 175 microns (7mils) Intercure® 99 applied directly over abraded steel plate	Average 102mg weight loss per 1,000 cycles using CS10 wheels and a 1kg loading
Flexibility	ASTM D522	1 x 175 microns (7mils) dft. ISO 8501 Sa2½ or SSPC-SP6 blasted substrate	No cracking at 5mm mandrel diameter

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