

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

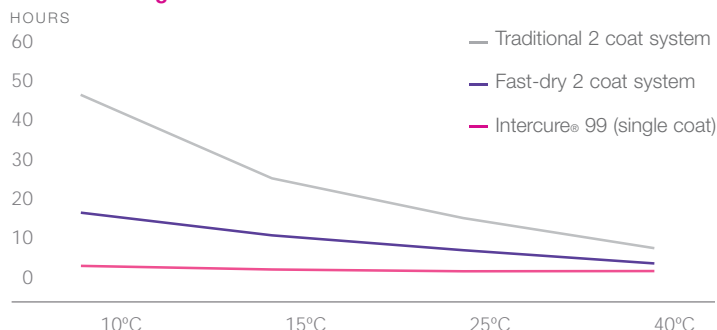
Whatever the environment, Intercure® 99 can meet requirements simply and effectively by eliminating one complete coat:

- 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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