International

Intercure 4500

Maximize productivity

Our high performance Intercure® 4500 semi-gloss primer finish can vastly improve your productivity. Excellent anti-corrosion and aesthetic properties allow you to replace traditional multi-coat systems with a single coat either direct to metal or over a primer.

Productivity is further enhanced with hard dry times as low as two hours at 25°C (77°F) 50% RH.

- Semi-gloss polyaspartic primer finish
- Outstanding corrosion performance in a single coat either direct to metal or over a primer
- Rapid cure even at low temperatures
- Improved UV durability versus traditional polyurethane topcoats
- High solids, low VOC

"This coating is what our process needs"

North American Tank Fabricator

When it comes to protective coatings, time is precious. Intercure® 4500 reduces the number of coats required and dries quickly even at low temperatures, maximizing productivity in more ways than one.

Reduces the number of coats

The high build characteristics and outstanding anti-corrosive and UV performance of polyaspartic resin technology means that Intercure® 4500 can do the job of two products, replacing a high build primer or intermediate and aesthetic topcoat in one coat.

Rapid cure even at low temperatures

A unique feature of Intercure® 4500 is its rapid cure ability even at low temperatures. This maximizes productivity, allows use in colder climates and reduces the need for forced drying equipment, meaning facilities can cut heating costs and reduce environmental impact.

Benefits throughout the contract chain

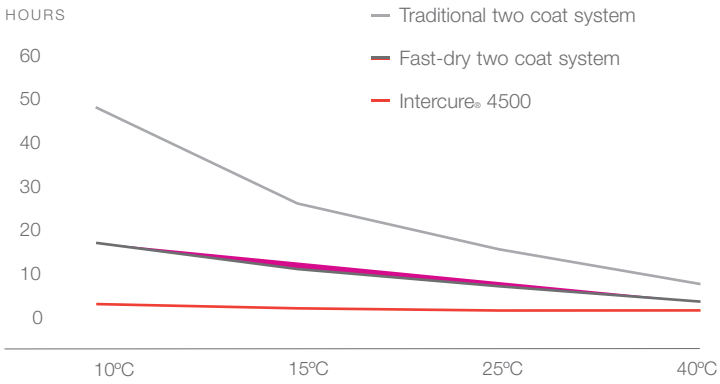
Whether an applicator, contractor or owner, in today's competitive market it is essential that you make the most of your assets, delivering on time and without compromise. Intercure® 4500 has been engineered to boost productivity while offering outstanding performance; maximizing output from paint shops, allowing contractors to meet deadlines and giving owners a functional facility ahead of schedule.

Lower VOC emissions

The high solids and low VOC of Intercure® 4500, combined with a reduction in the number of coats required can help to reduce overall VOC emissions.

Please consult your local representative for a list of approved primers.

Faster handling



Technical information

Color	Limited color range available		
Volume solids	77% ±1%		
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)	60 minutes	3½ hours	3½ hours
15°C (59°F)	45 minutes	2½ hours	2½ hours
25°C (77°F)	30 minutes	2 hours	2 hours
40°C (104°F)	15 minutes	1½ hours	1½ hours
VOC's	153g/kg - EU Solvent Emissions Directive (Council Directive 1999/13/EC)		

*The dry times quoted have been determined at the temperature indicated and 50% relative humidity

Test data

	TEST METHOD	SPECIFICATION DETAILS	RESULTS
Corrosion resistance	ISO 12944 - "Corrosion protection of steel structures by protective paint systems"	1 x 175µm (7 mils) dft applied directly to Sa2½ blasted steel	Meets the performance criteria for a C3 corrosive environment as set out in Part 6 of the standard
		1 x 175µm (7 mils) dft applied over 75µm (3 mils) of zinc rich primer	Meets the performance criteria for a C5 environment as set out in part 6 of the standard
Gloss retention	ASTM G154 - "Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of non-metallic materials"	1 x 150-200µm (6-8 mils) dft applied directly to aluminum Q Panels	Typical gloss retention not less than 60% following 3000 hours exposure to UVA340 type fluorescent lamps
Abrasion	ASTM D4060 - "Abrasion Resistance of Coatings via the Taber Abraser"	1 x 150-200µm (6-8 mils) dft applied directly to Sa2½ blasted steel	Average 80mg weight loss per 1000 cycles using CS10 wheels and a 1kg loading
Flexibility	ASTM D522 - "Mandrel Bend Test of Attached Organic Coatings" - Conical Mandrel Test	1 x 150-200µm (6-8 mils) dft applied directly to Sa2½ blasted steel	An average of 7.5% elongation of the coating is achieved prior to fracture
Impact	ASTM D2794 - "Resistance to the Effects of Rapid Deformation (Impact)"	1 x 150-200µm (6-8 mils) dft applied directly to Sa2½ blasted steel	Direct Impact Resistance - 10 Joules

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