

APPLICATION GUIDELINES

EXTERNAL DECK SYSTEM

Intershield[®] 7100LWT

Revision 3

Issue Date: 15th September 2015

Marine Coatings

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Registered in England No. 63604

Registered Office The AkzoNobel Building, Wexham Road, Slough, SL2 5DS

AkzoNobel

Application Guidelines Intershield® 7100LWT

Revision 3 Date 15th September 2015



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1. SCOPE AND PURPOSE

The purpose of these guidelines is to ensure that the coating system, as applied, provides adequate protection against mechanical damage and corrosion.

Successful in-service performance of a deck coating system depends upon both the correct choice of coating and the adoption of the correct procedures for surface preparation and paint application.

The responsibilities for achieving the specific standards outlined and for carrying out surface preparation and paint application rest with the Contracting Company and Shipyard. Under no circumstances do these responsibilities rest with International Paint. If International Paint provides a Technical Service Representative, their role is advisory only unless otherwise specified.

2. PRODUCT SPECIFICATION AND PRODUCT CURE GRAPHS

2.1 SURFACE PREPARATION

2.1.1 New Installation

All surface preparation shall include at least 50-75mm (2-3 inches) up on all bulkheads, coamings, pipes and other vertical surfaces.

Paint only clean, dry surfaces. Remove all salts, grease, oil, soluble contaminants and other detrimental foreign matter by “solvent cleaning” (SSPC-SP1). Approved preconstruction primers can be over coated if they have been aged from 1 to 6 months.

Steel: For optimum performance blast to ISO Standard 8501-1 (2007) – Sa2½. The equivalent in the USA is “Near White Blast Cleaning” (SSPC-SP10). Applications on steel can be either as DTM or with primer

Aluminium: For aluminium and light alloys the surface should be solvent cleaned according to SSPC-SP1 then physically etched by abrasive blasting using a non-metallic abrasive. Primers must be used for aluminium and light alloys, no direct to metal applications are allowed

For inaccessible areas, or areas where blasting is impractical, power tool clean to ISO Standard 8501-1 (2007) - St3 (SSPC-SP3 or SP11) as specified.

For fibreglass or wooden substrates please consult International Paint.

2.1.2 Repair

All surface preparation shall include at least 50-75mm (2-3 inches) up on all bulkheads, coamings, pipes and other vertical surfaces.

Paint only clean, dry surfaces. Remove all salts, grease, oil, soluble contaminants and other detrimental foreign matter by “solvent cleaning” (SSPC-SP1).

Reseal: Abrade the entire deck surface, taking care not to gouge or cut the existing coating, such that approximately 50% of the existing Intershield 609 sealer coat(s) are removed.

Recolor: Abrade the entire deck surface, taking care not to gouge or cut the coating, such that the majority of the sealer coats are removed. The Interthane 990/990HS coat and colour chips should be abraded carefully in order not to expose the underlying Intershield 7100LWT, otherwise, bubbling may occur.

Intershield 7100LWT Repair: Cut back loose or damaged coating to a point of good adhesion. Feather sand all tightly adhered edges. Power tool clean all exposed metal substrate to ISO Standard 8501-1 (2007) - St3 (SSPC-SP3 or SP11).

For fibreglass or wooden substrates please consult International Paint.

Remove all dust and abrasive from the surface prior to coating. Coat before corrosion or contamination occurs. Care must be taken not to contaminate the properly prepared surfaces.

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2.2 SPECIFICATION

Product	Dft (mils)			Dft (microns)		
	Spec	Min	Max	Spec	Min	Max
Intershield 300HS	6	4	8	150	100	200
Intershield 7100LWT	125	50.0	250	3125	1250	6250
Interthane 990 / Interthane 990HS	3.0	2.0	4.0	75	50	100
Intershield 609	6.0	(5.0)	(7.0)	150	(125)	(175)
Colour Chips	N/A			N/A		
Intershield 609	6.0	(5.0)	(7.0)	150	(125)	(175)

Chips with the following specification should be used:

Material: Vinyl
Size: ¼ inch
Thickness: 4.5-5.5 mils

Chips can be purchased from Chips Unlimited Inc. Contact details can be found on their website - <http://www.chipsunlimited.net/index.html>

Other approved topcoats are: Intershield 5150LWT, Intershield 6GV, Intershield 803, Intergard 621 and Intergard 631. When abrading the surfaces before overcoating with top coats maximum care must be exercised not to expose the Intershield 7100LWT.

If exterior decks are hydro-blasted, primer must be utilised.

2.3 NOTES

- 2.3.1 Interbond 998 and Intergard 264 can be used as alternative primers. Consult International Paint.
- 2.3.2 The number of coats of Intershield 609 and Interthane 990 / Interthane 990HS may vary - consult the specification for the specific project. Between two and four coats of Intershield 609 are normally applied.
- 2.3.3 Refer to the accompanying graphs for recommended overcoating intervals, pot life and curing requirements.
- 2.3.4 The drying times quoted refer to a single coat applied to give the specified dry film thickness in the table above. At higher film thicknesses drying times may be extended, particularly at low temperature.
- 2.3.5 All thicknesses are to be checked by the Contractor Quality Control Department and by the International Paint Technical Service Representative (if present) on site. Any substandard areas are to be rectified.
- 2.3.6 For application the steel temperature must not be lower than 10°C (50°F) or exceed 50°C (122°F). For maximum performance, the curing temperature should be above 10°C (50°F).

2.4 PRODUCT CURE GRAPHS

- 2.4.1 Pot Life
- 2.4.2 Touch Dry Times
- 2.4.3 Hard Dry Times
- 2.4.4 Minimum Overcoating Intervals
- 2.4.5 Maximum Overcoating Intervals

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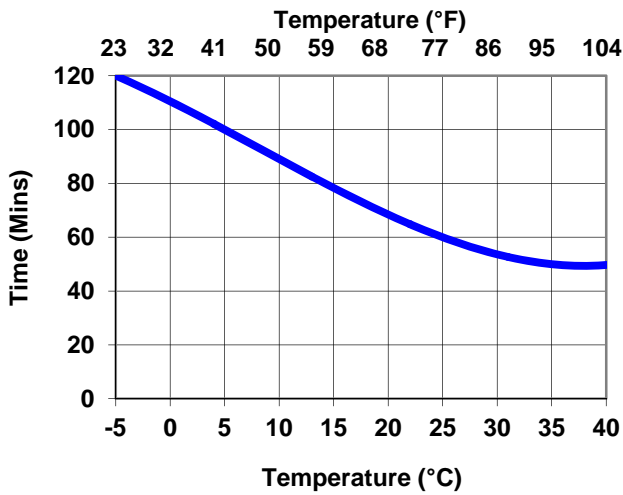
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Application Guidelines Intershield® 7100LWT

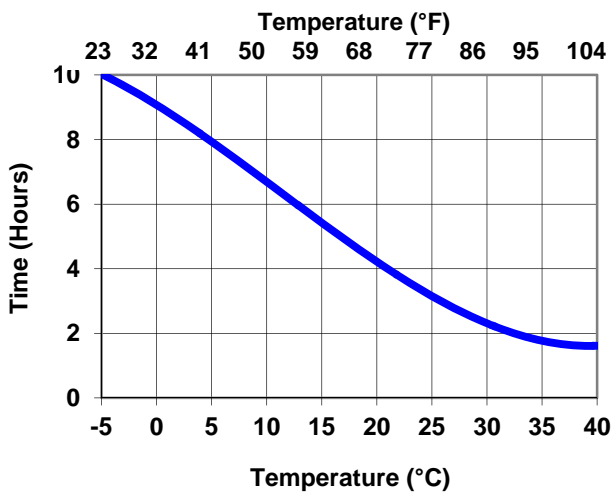
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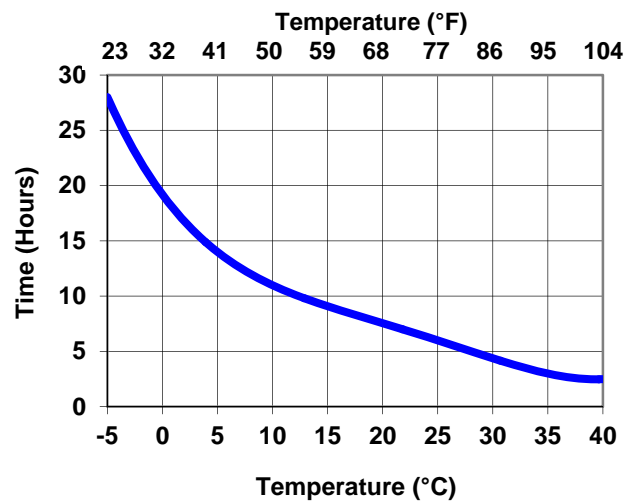
Intershield 300HS Pot Life



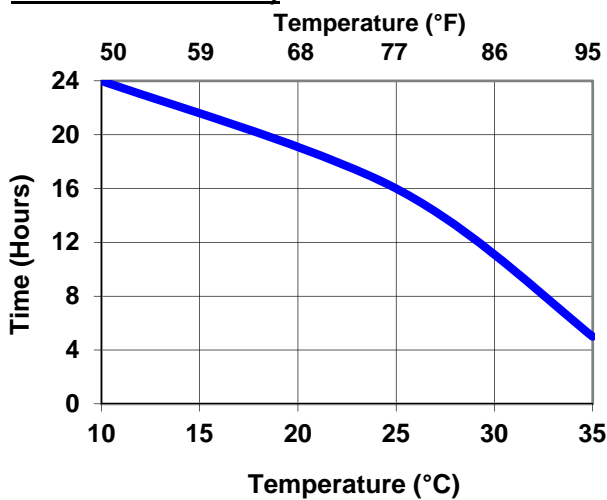
Intershield 300HS: Touch Dry



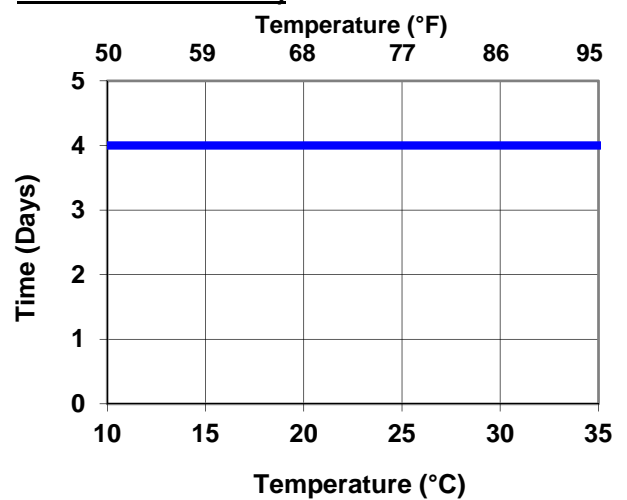
Intershield 300HS: Hard Dry



Intershield 300HS: Minimum Overcoating (with Intershield 7100LWT)



Intershield 300HS: Maximum Overcoating (with Intershield 7100LWT)



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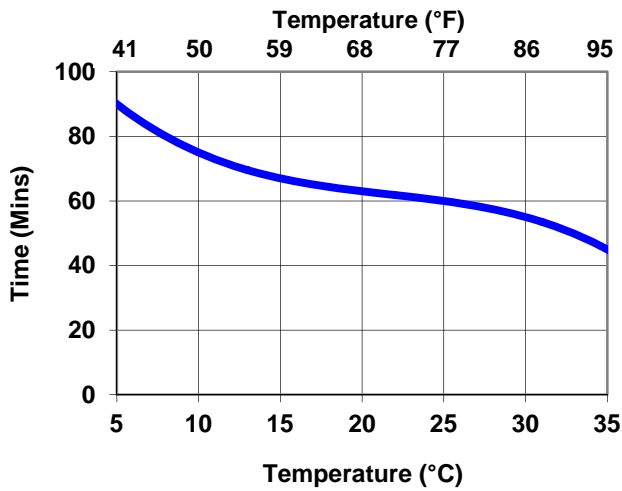


Application Guidelines Intershield® 7100LWT

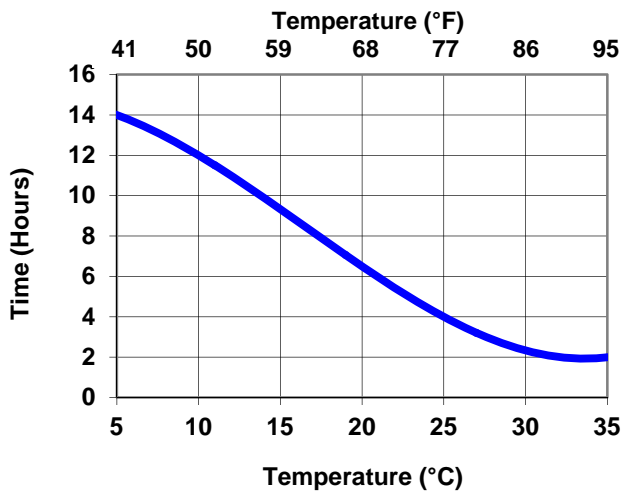
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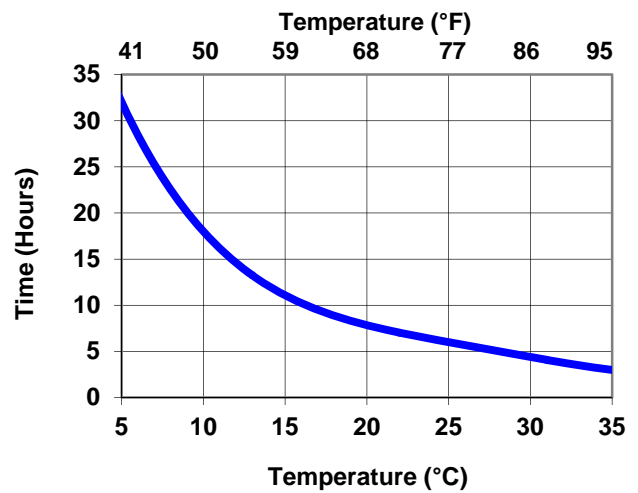
Interbond 998: Pot Life



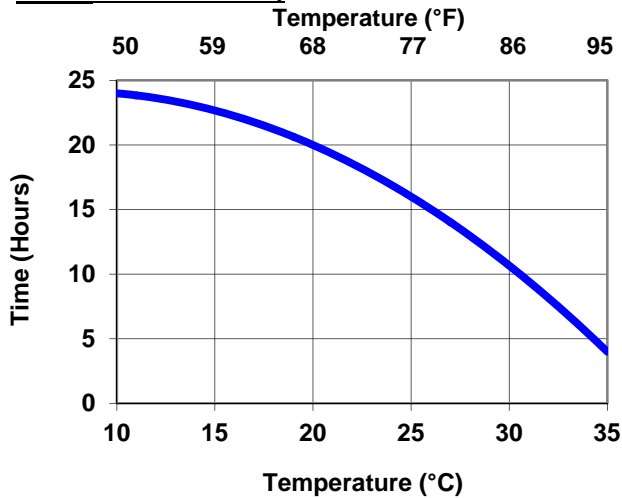
Interbond 998: Touch Dry



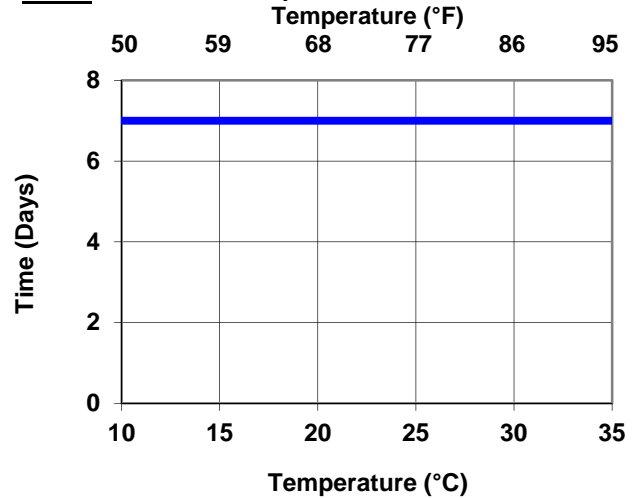
Interbond 998: Hard Dry



Interbond 998: Minimum Overcoating (with Intershield 7100LWT)



Interbond 998: Maximum Overcoating (with Intershield 7100LWT)



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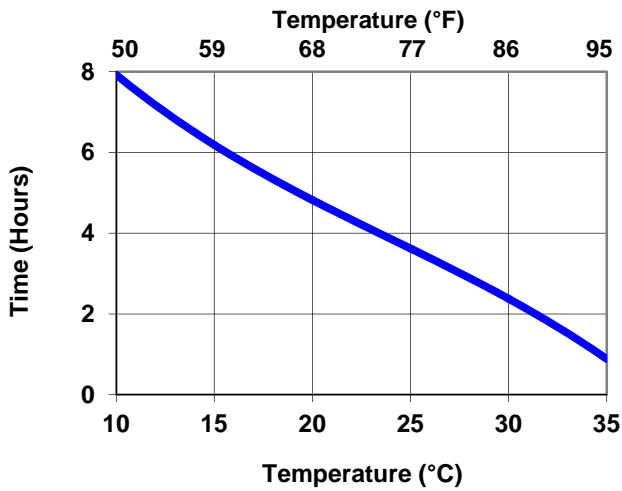


Application Guidelines Intershield® 7100LWT

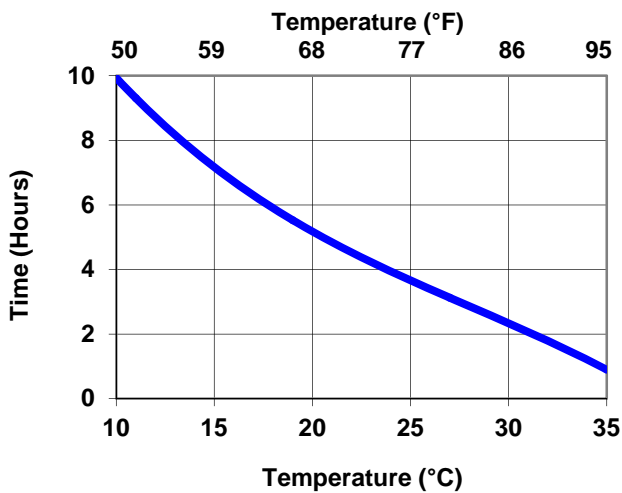
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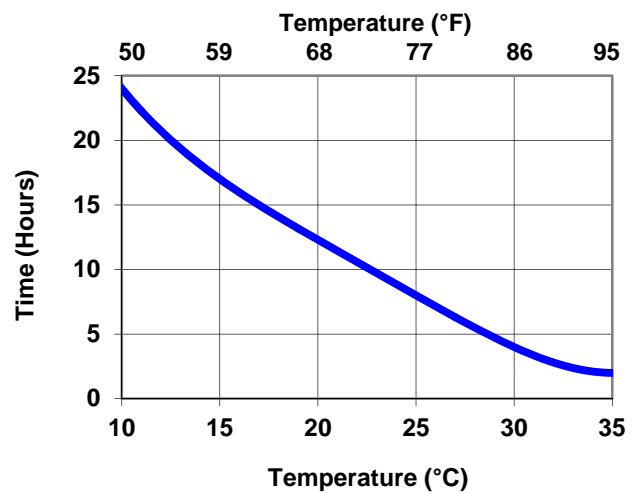
Intergard 264: Pot Life



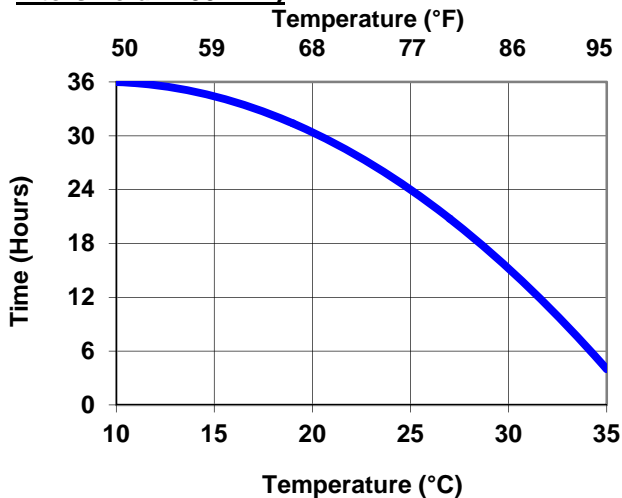
Intergard 264: Touch Dry



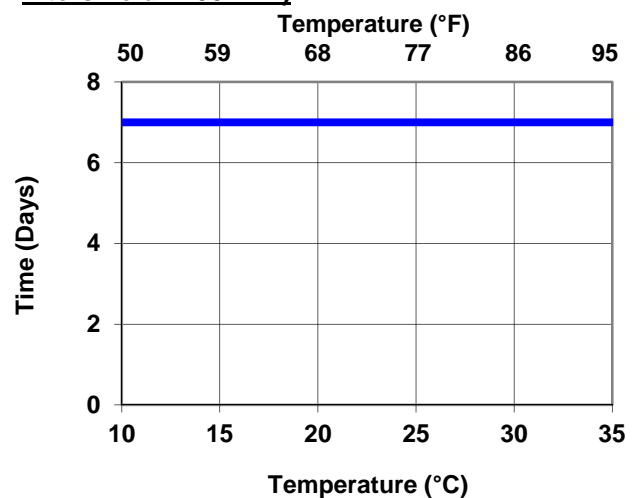
Intergard 264: Hard Dry



Intergard 264: Minimum Overcoating (with Intershield 7100LWT)



Intergard 264: Maximum Overcoating (with Intershield 7100LWT)



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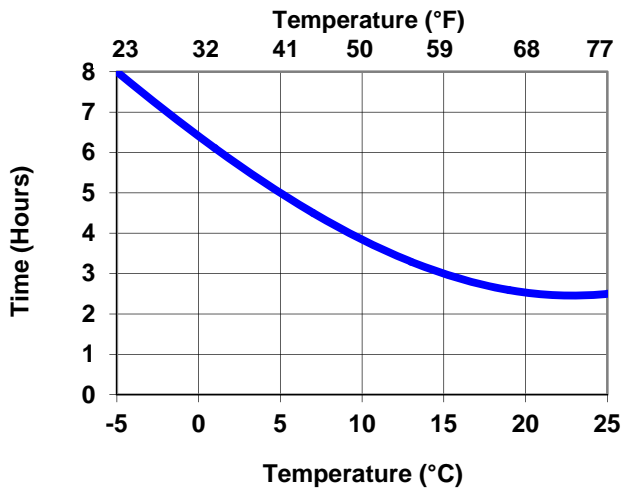
Application Guidelines

Intershield® 7100LWT

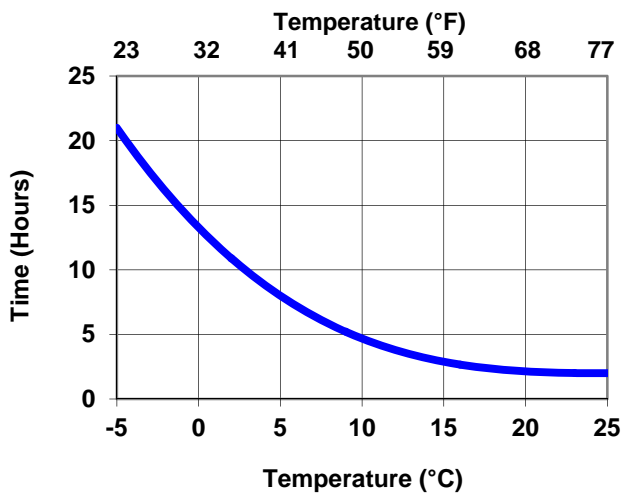
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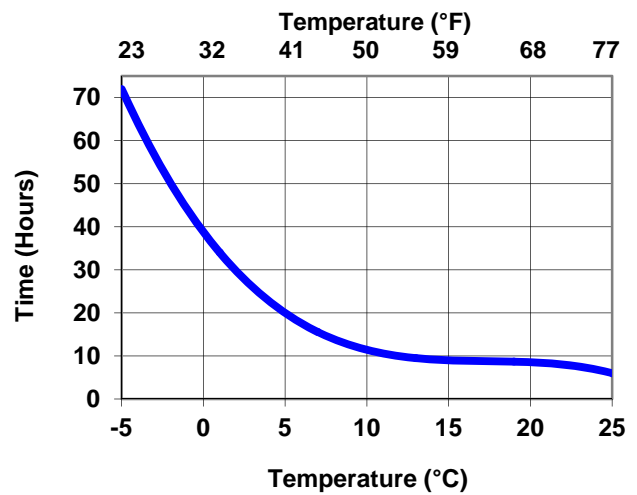
Intergard 264 (Low Temperature): Pot Life



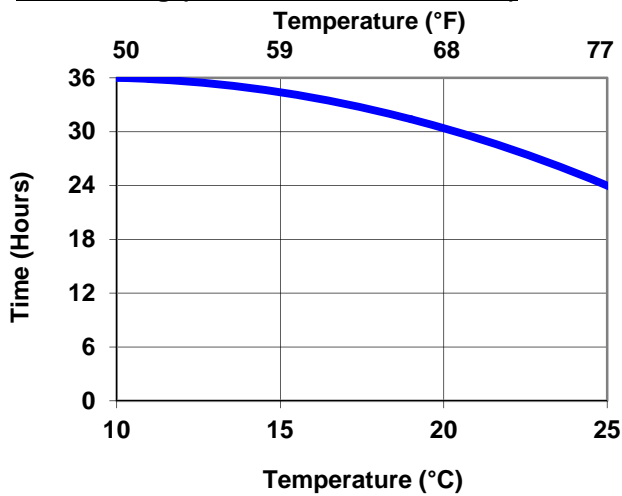
Intergard 264 (Low Temperature): Touch Dry



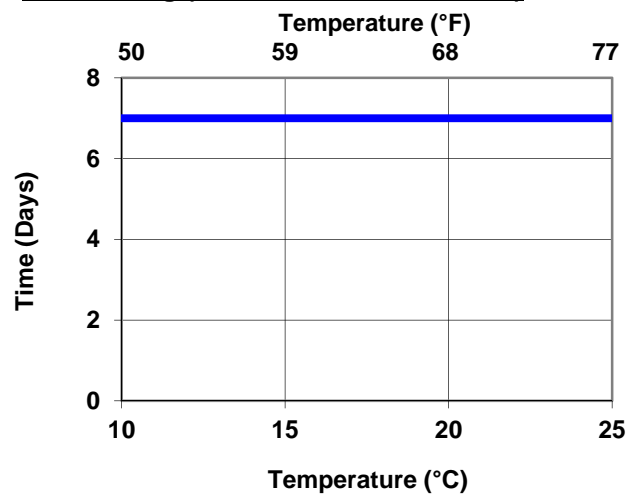
Intergard 264(Low Temperature): Hard Dry



Intergard 264(Low Temperature): Minimum Overcoating (with Intershield 7100LWT)



Intergard 264(Low Temperature): Maximum Overcoating (with Intershield 7100LWT)



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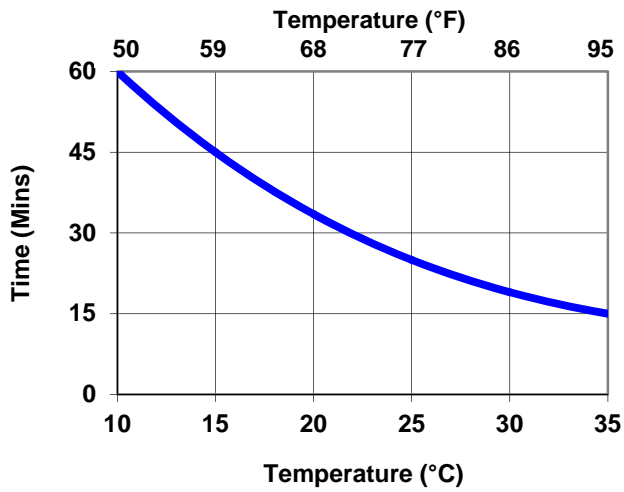


Application Guidelines Intershield® 7100LWT

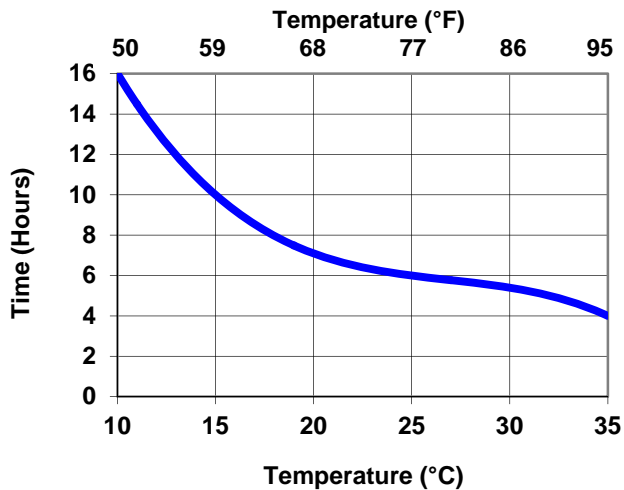
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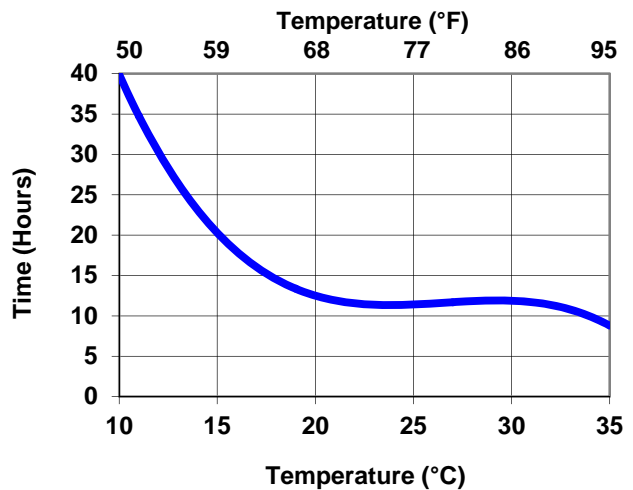
Intershield 7100LWT: Pot Life



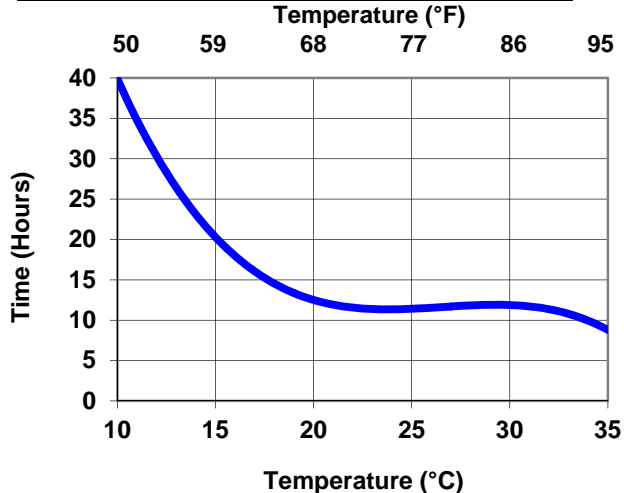
Intershield 7100LWT: Touch Dry



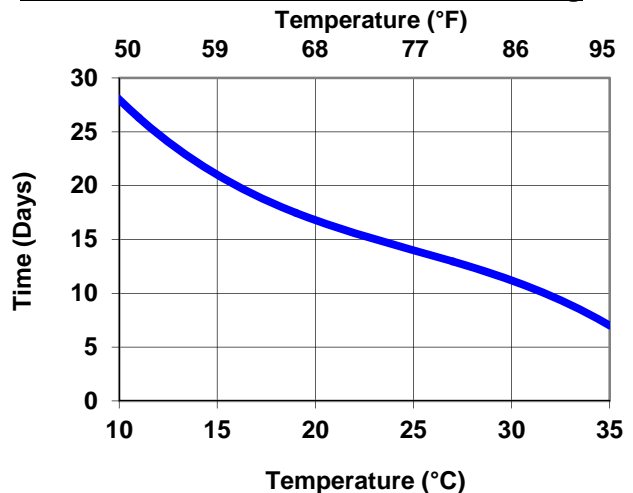
Intershield 7100LWT: Hard Dry



Intershield 7100LWT: Minimum Overcoating



Intershield 7100LWT: Maximum Overcoating



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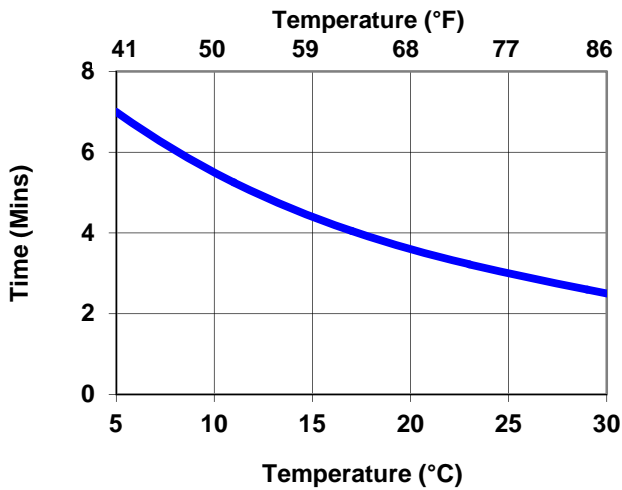


Application Guidelines Intershield® 7100LWT

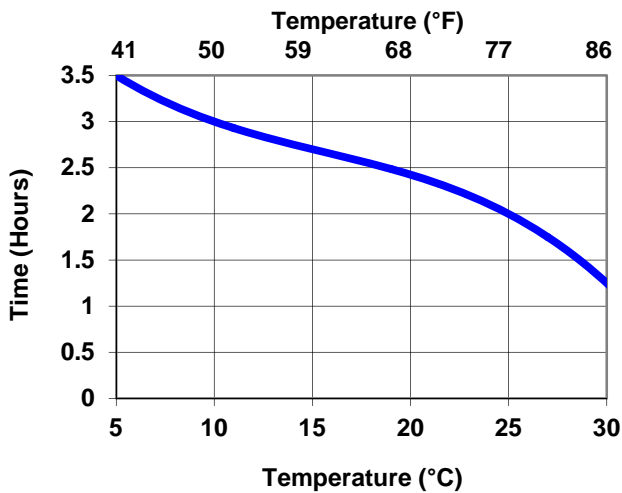
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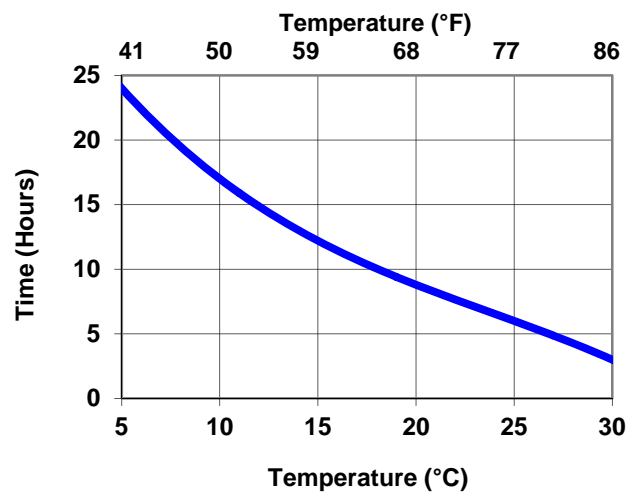
Interthane 990HS: Pot Life



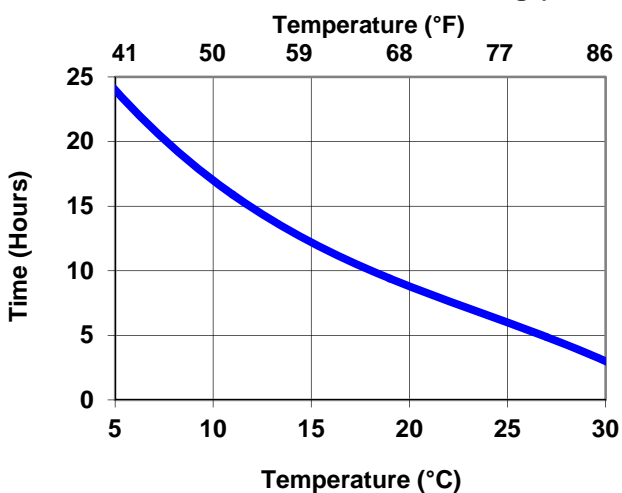
Interthane 990HS: Touch Dry



Interthane 990HS: Hard Dry



Interthane 990HS: Minimum Overcoating (with Self)



Interthane 990HS: Maximum Overcoating (with Self)

Interthane 990HS is a re-coatable polyurethane and there is no maximum time limit to overcoat with self, providing the surface is clean.

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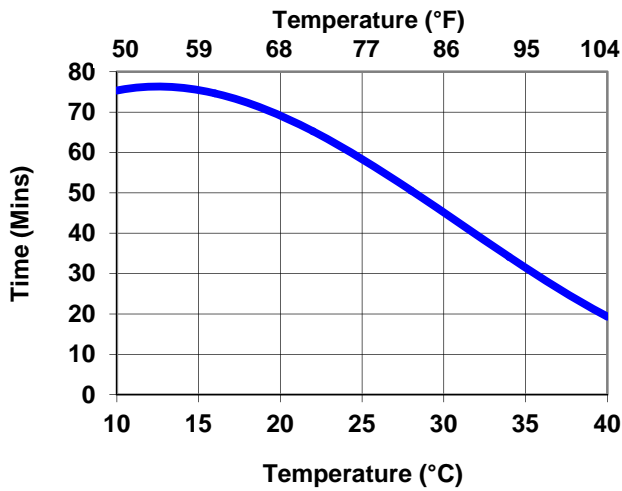
Application Guidelines

Intershield® 7100LWT

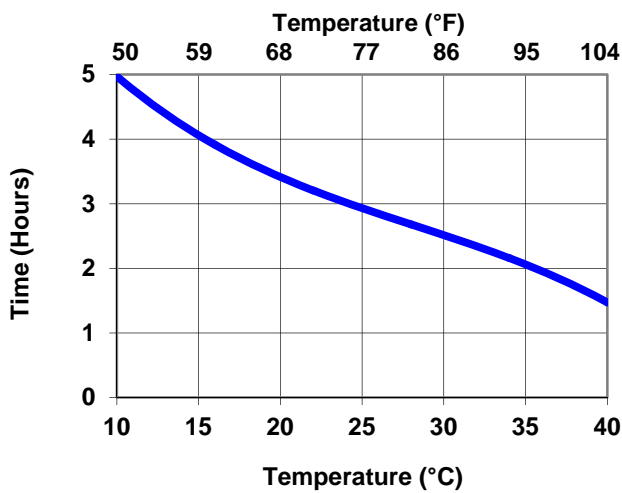
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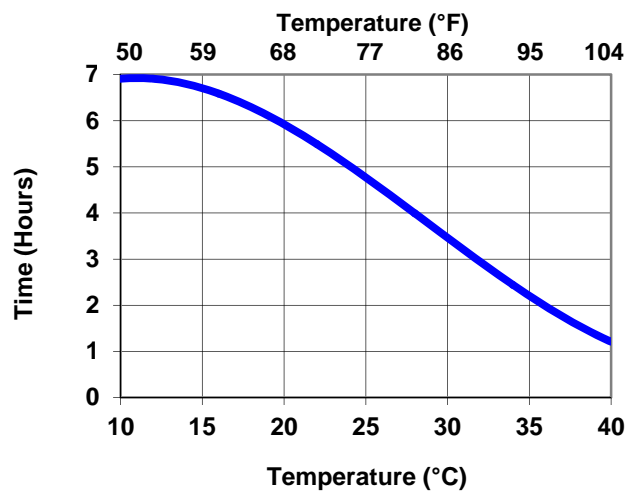
Intershield 609: Pot Life



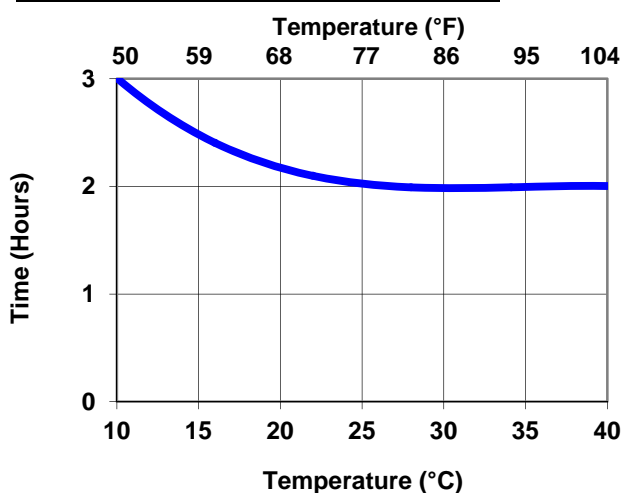
Intershield 609: Touch Dry



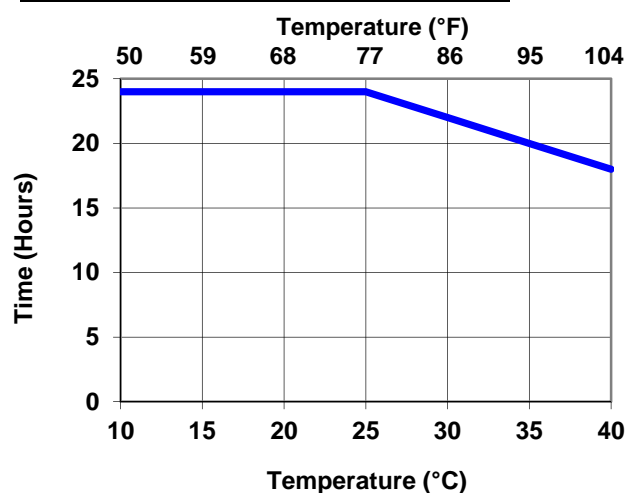
Intershield 609: Hard Dry



Intershield 609: Minimum Overcoating



Intershield 609: Maximum Overcoating



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3. COATING APPLICATION PROCEDURES

3.1 NEW INSTALLATION

- 3.1.1 Prepare all surfaces to be coated to the standard detailed in section 2.1 of this procedure.
- 3.1.2 Upon completion of the surface preparation, and after inspection by the Contractor Quality Control Department, the International Paint Technical Service Representative (if present) will also inspect the whole area and mark up any substandard areas.
- 3.1.3 Remove all dust and abrasive from the surface prior to coating. Coat before corrosion or contamination occurs. Care must be taken not to contaminate the properly prepared surfaces.
- 3.1.4 Thoroughly mask any areas to which the Intershield 7100LWT Interior Deck System is not to be applied.
- 3.1.5 Apply a full coat of Intershield 300HS, or an alternative primer if specified, to the specified film thickness. Apply up 50-75mm (2-3") on all vertical surfaces.
- 3.1.6 When hard dry, inspect the applied coating and check the dry film thickness.
- 3.1.7 For primed vertical surfaces add either an extra pail of aggregate (Part C) or 0.75 pounds of fumed silica per kit and feather material as needed. Apply a full coat of Intershield 7100LWT to the specified thickness over the entire horizontal surface.
- 3.1.8 Apply a full coat of Intershield 7100 LWT to the specified film thickness. A thin brush coat must also be applied to all primed vertical surfaces.
- 3.1.9 Allow to dry for 9 to 40 hours (depending upon temperature) before inspecting the applied coating and checking the dry film thickness.
- 3.1.10 If the coat of Intershield 7100LWT has exceeded the recoat window (depending upon temperature) lightly abrade the entire surface and remove any residue prior to application of subsequent coats
- 3.1.11 Apply a full coat of Interthane 990 or Interthane 990HS to the specified film thickness.
- 3.1.12 When hard dry, inspect the applied coating and check the dry film thickness
- 3.1.13 Apply a full coat of Intershield 609 to the specified film thickness. Cut in all areas inaccessible by roller with a paint brush. During application of Intershield 609, scatter decorative colour chips onto the deck surface which has just been coated. The density of the colour chips must be controlled such that not more than 30% of the area coated with Intershield 609 is covered. **Too high a density of colour chips may lead to cracking as the coating scheme ages.**
- 3.1.14 If no further colour chips are required within the specification, prior to application of the final coat(s) of Intershield 609, and when the previous coat has been allowed to cure for 2 - 4 hours, lightly abrade the surface to remove the leading edges of any raised colour chips. Completely remove all residues after abrading.
- 3.1.15 Apply a full coat of Intershield 609 to the specified film thickness. Cut in all areas inaccessible by roller with a paint brush.
- 3.1.16 If required, apply additional coats of Intershield 609 and additional colour chips as described in points 3.1.12 - 3.1.14. For each application of colour chips, the maximum coverage of

30% of the area of the underlying Intershield 609 must be observed. Note that the surface of the color chips should be abraded as described in 3.1.13 prior to the final sealer coat(s).

- 3.1.17 Once the full system has been applied, and has been accepted by the Contractor Quality Control Department, the International Paint Technical Service Representative (if present) will check the dry film.
- 3.1.18 Ensure that the completed deck area is kept free of all traffic until the coated areas have fully cured.
- 3.1.19 Remove all masking.

3.2 REPAIR

3.2.1 Intershield 7100LWT Repair

- 3.2.1.1 Prepare the surface to be repaired according to the guidelines given in section 2.1 of this procedure.
- 3.2.1.2 When the area to be repaired is clean and dry, apply Intershield 300HS, or an alternative primer if specified, to any exposed metal, to the specified film thickness.

Note that Intershield 300HS must not be applied to existing Intershield 7100LWT.
- 3.2.1.3 To complete repairs, continue to 3.1.6 of the **New Installation** application procedure.

3.2.2 Recolor

- 3.2.2.1 Prepare the surface to be repaired according to the guidelines given in section 2.1 (Recolor) of this procedure.
- 3.2.2.2 When the area to be repaired is clean and dry, apply a full coat of Interthane 990 or Interthane 990HS to the specified film thickness.
- 3.2.2.3 To complete repairs, continue to 3.1.11 of the **New Installation** application procedure.

3.2.3 Reseal

- 3.2.3.1 Prepare the surface to be repaired according to the guidelines given in section 2.1 (Reseal) of this procedure.
- 3.2.3.2 When the area to be repaired is clean and dry, apply a full coat of Intershield 609 to the specified film thickness. Cut in all areas inaccessible by roller with a paint brush.
- 3.2.3.3 To complete repairs, continue to 3.1.15 of the **New Installation** application procedure.

4. TECHNICAL INSPECTION AND PROJECT CONTROL

Project control by regular inspection and agreement on future action is vital to successful Intershield deck coating projects, and in maximising the potential of a coating system.

All parties involved in the deck coating work must agree an inspection procedure prior to work commencing, this should outline how and when both work and inspection will be undertaken.

Prior to commencing the project the contractor(s) must be provided with copies of the relevant product data sheets. Attention should be drawn to pack sizes, mix ratios, thinning restrictions etc.

The International Paint Technical Service Representative (if present) should supervise initial mixing of the first drums of product to be applied to ensure that all parties are aware of mixing and application characteristics.

Daily meetings should be arranged to confirm performance of the work and inspection schedules, minutes of these meetings must be taken and circulated to all participants. Representatives of the contractor, shipyard and ship owner would normally be present at these meetings.

In the event of work continuing at any stage without the approval of International Paint, the Company cannot be held responsible for any subsequent failure of the deck coating system on the areas concerned. Such an event is termed an EXCEPTION. All parties MUST be officially informed in writing using the standard Exception Report Form immediately following the occurrence.

International Paint, and any other authorised personnel, may inspect any stage in the process.

Contractors must supply interpreters if necessary.

On completion of the project all relevant documentation must be retained, and safely archived, by the Local Technical Service Manager.

Inspection equipment for measurement of profile depth, humidity, wet and dry film thickness, etc should be of approved types and should be within calibration limits.

NOTE: When measuring the dry film thickness of coatings, the d.f.t. gauge must be calibrated prior to use as follows:

1. Check that the probe is clean.
2. Place the probe on a sample of millscale-free **smooth** steel of thickness greater than 1mm.
3. Calibrate the instrument to zero.
4. Select a certified shim of similar thickness to that expected for the coating under test.
5. Calibrate the gauge to the shim thickness.
6. Check that the gauge reads zero when replaced on the smooth steel sample.

Measurement of dry film thickness is described in ISO Standard 2808:2007 and in ASTM D7091:2005.

5. GENERAL NOTES

5.1 DECK CONDITION

5.1.1 New Installation

Prior to commencement of surface preparation, it is essential that the deck is clean, dry, and in a condition suitable for surface preparation and application of the deck coating. The following briefly outlines the minimum requirements:

All grease and oil must be removed from all surfaces.

Defective steelwork, prior to project commencement, should be repaired in line with the guidance notes given in 5.2 (Steelwork Preparation).

5.1.2 Repair

Prior to the commencement of surface preparation it is essential that the deck is clean, dry, and in a condition suitable for surface preparation and application of the deck coating. The following briefly outlines the minimum requirements:

Heavy scale must be removed from all surfaces.

All grease and oil must be removed from all surfaces.

Any areas of steel renewal should be prepared in the manner described in 5.2 Steelwork Preparation.

5.2 STEELWORK PREPARATION

Preparation grades of welds, cut edges and surface imperfections are described in ISO 8501-3. Preparation to P3 grade of this standard will provide surfaces which will ensure optimum paint performance. International Paint recommend the following methods and minimum levels of preparation on any new steelwork:

ITEM	PROBLEM / SOLUTION
Sharp Edge	<p>Remove sharp edges or gas cutting edges with grinder or disc sander:</p>
Weld Spatter	<p>1. Remove spatter observed before blasting by grinder, chipping hammer etc.</p> <p>2. For spatter observed after blasting:</p> <p>a) Remove with chipping hammer /scraper etc.</p> <p>b) Where spatter is sharp, use disc sander or grinder until obtuse</p> <p>c) Obtuse spatter – no treatment required</p>
Plate Lamination	<p>Any lamination to be removed by grinder or disc sander</p>
Undercut	<p>Where undercut is to a depth exceeding 1mm and a width smaller than the depth, repair by welding or grinding may be necessary</p>
Manual Weld	<p>For welding bead with surface irregularity or with excessive sharp edges, remove by disc sander or grinder</p>
Gas Cut Surface	<p>For surfaces of excessive irregularity, remove by disc sander or grinder</p>

5.3 STORAGE (AT POINT OF APPLICATION)

The paint must be stored out of direct sunlight so that the temperature of the material will not exceed 35°C (95°F) for prolonged periods of time.

In winter months, when temperatures can be expected to fall below 5°C (41°F), base and curing agent must be stored in premises, (storeroom, hut, etc), which are heated to a temperature in excess of 10°C (50°F) for a period of not less than 48 hours immediately prior to use (unless stated otherwise on the product technical data sheet).

5.4 GRIT BLASTING

5.4.1 General

Two main universal standards of surface preparation are normally specified for deck coatings - ISO Standard ISO 8501-1 (2007) - Sa2 and Sa2½.

In general, the following comments apply to these standards.

Sa2 - the resulting steel surface should be free from most of the rust, old coating and foreign matter. Any residual old coating should be firmly adhering

Sa2½ - in practice, this is considered to be the best standard a skilled blasting operative can consistently achieve.

Comparative Standards

<u>ISO 8501-1: 2007</u>	<u>Japanese Standard on new steel</u>	<u>SSPC Standard</u>
Sa2	Not applicable	SSPC-SP6
Sa2½	JA SH2	SSPC-SP10

In cases where the substrate is corroded or pitted, it may be necessary to fresh water wash the areas after abrasive blasting, then re-blast, in order to ensure complete removal of soluble corrosion products.

5.4.2 Compressed Air

Air used for blasting must be clean, oil free and dry. The pressure should be at least 7kg/cm² (100lb/sq inch) at the nozzle.

5.4.3 Abrasive

Abrasives used for blasting must be dry and free from dirt, oil, grease and suitable for producing the standard of cleanliness and profile specified. The abrasive must therefore be in accordance with the specifications given in ISO 11126 - Parts 1 to 8 and each delivery should carry a certificate of conformity to this specification.

If blasting abrasive is supplied on site without a certificate of conformity, the material should be tested by the yard or contractor in accordance with the methods given in ISO 11127 - Parts 1 to 7.

Particular attention should be given to ISO 11127 - Part 6, where the level of water soluble contaminants must not give a conductivity value greater than 25mS/m, and ISO 11127 - Part 7, where the level of water soluble chlorides must not exceed 0.0025% by weight.

ASTM D4940-89(94) also provides a method for quantifying the level of water-soluble ionic contaminants. This standard does not provide limits of acceptability for blasting abrasive but does give a typical value for a low level of contamination as 50 µmho/cm.

Iron or steel abrasives can be used for in-situ open blasting. Specifications for metallic abrasives are given in ISO 11124 - Parts 1 to 4 and the corresponding test methods in ISO 11125 - Parts 1 to 7. If used, careful and thorough cleaning must be carried out at all stages of the operation to ensure that no abrasive remains in the tank as this may subsequently corrode.

Although not recommended, recycled grit may be used providing it is dry, has been shown to be free from contamination by dirt, oil, grease, and has been tested in accordance with the above ISO standards.

5.4.4 **Blast Profile**

The amplitude of the blast profile depends upon the type of coating to be applied, measurement on site should be by profile gauge or other instruments mutually acceptable.

Measurement of surface profile using comparators is described in ISO 8503-2. The comparators themselves are described in ISO 8503-1. A medium 'G' type comparator should be used and a value of 60-90 microns (2.36 – 3.54 mils) is acceptable when measured by:

- a) ISO 8503-3: Focusing microscope
- b) ISO 8503-4: Stylus

When using a needle gauge such as the Elcometer 123, a value of 100 microns (3.94 mils), taking a maximum of 10 determinations, is ideal.

For projects taking place in the USA:

- Measurement of surface profile using comparators is described in ASTM D4417 Method A
- Measurement of surface profile using a needle gauge is described in ASTM D4417 Method B
- Measurement of surface profile using replica tape is described in ASTM D4417 Method C and NACE RP0287-91

5.5 **CLEANING**

Prior to initial inspection of the surface preparation standard, all debris must be removed from the deck area to be coated.

Any substandard areas should be identified and must be brought up to the specified standard.

All marking paint, chalk, etc, used to identify substandard areas must be removed after substandard areas are rectified. If marking pens are used which cannot be removed then they must be technically approved by Worldwide Marine Laboratories prior to any overcoating taking place.

Final approval of a substrate for coating application must be confirmed after final cleaning.

It is recommended that all personnel working on the prepared decks wear overshoes.

5.6 PAINT APPLICATION

Efficient mechanical stirrers for the correct mixing of paint must be used.

Available air pressure and capacity for spray equipment should be at least 5.5kg/cm² and 1.4m³/min (80 psi and 50 cfm).

All spray equipment must be in good working order and be capable of performing to the output requirements defined in International Paint product technical data sheets.

Tips should be the size stipulated on the product technical data sheet. Tips must not be in a worn condition.

Specific paint application considerations for the Intershield Interior Deck System are as follows:

5.6.1 Intershield 300HS

A china bristle brush is recommended for brush application.

When applying by roller, use an All Purpose Roller over 9.5mm (3/8") pile, smooth to medium. Prewash the roller cover prior to use to remove loose fibres.

For airless spray, a minimum 70:1 ratio pump should be used. The spray tip should be of orifice 0.381-0.483mm (0.015-0.019 inch).

5.6.2 Intershield 7100LWT

When mixing Intershield 7100LWT prior to application, care must be taken to mix all three components uniformly. A "jiffy" mixer design is recommended.

For the greatest degree of control of thickness, application by notched trowel is recommended. The notch should be twice the depth of the desired thickness, e.g. a 6.4mm (1/4") notch will give an applied thickness of 3.2mm (1/8").

When applying by roller, use a solid phenolic core with no pile. It is recommended that "O" rings, of greater diameter than the roller core are fitted on either end. The difference in diameter of the 'O' rings and the roller core should be such that the correct wet film thickness will be laid down.

For brush application use an appropriate size polyester brush.

5.6.3 Interthane 990 / Interthane 990HS

For airless spray, a minimum 30:1 ratio pump should be used. The spray tip should be of orifice 0.33-0.45mm (0.013-0.018 inch).

For conventional spray, a DeVilbiss MBC-510 gun with E tip and 704 air cap is recommended. A pressure pot with separate air and fluid pressure regulators should also be used along with DeVilbiss HRE-501 oil and moisture separator and a 9.5mm (3/8 inch) ID material hose.

A china bristle brush is recommended for brush application.

When applying by roller, use a high quality roller cover with 9.5 mm (3/8 inch) pile. Prewash the roller cover prior to use to remove loose fibres.

5.6.4 Intershield 609

Intershield 609 is moisture sensitive and must always be covered in the period between mixing and application.

A china bristle brush is recommended for brush application.

When applying by roller, use a high quality roller cover with 3.1 mm (1/8") pile. Prewash the roller cover prior to use to remove loose fibres.

Apply in an even coat, taking care that no puddles or roller marks are left behind. Do not over-apply

5.6.5 Color Chips

See section 2.2 for Colour Chip specification.

When two or more colours of decorative chips are to be applied, they must first be blended together. The correct quantity of each colour chip should be gently tumbled together on a clean, dry surface. **Care must be taken to avoid crumbling the chips into small pieces. After blending, the chips should be returned to the original plastic bags and boxes which should be tightly closed to exclude moisture and contamination.**

The colour chips should be "broadcast" by hand during the application of Intershield 609 sealer coat. The sealer should be applied to approximately 1 sq.m (or 1 sq.yard) at a time, and the colour chips broadcast into this freshly applied coat, a small amount at a time, such that they drift down in a random pattern. Slowly add more color chips until the desired coverage is obtained. Depending upon application, an approximation of coverage is 8.18 - 12.26 sq.m / kg (40 - 60 sq.ft / lb).

The density of the color chips must be controlled such that not more than 30% of the area coated with Intershield 609 is covered. Too high a density of colour chips may lead to cracking as the coating scheme ages. If more than one application of colour chips is carried out, over fresh coats of Intershield 609, this maximum coverage applies in each case.

Immediately after application, back roll the colour chips with the wet roller cover and, if required, add additional sealer. This ensures that the colour chips become saturated with the sealer and become a permanent part of the deck system.

6. HEALTH & SAFETY

6.1 INTRODUCTION

Some coatings contain volatile flammable organic solvents which can form explosive mixtures with air. Definite safety precautions must be taken whilst applying this type of coating. Detailed attention must be given to the following points:

- Danger of explosion or fire.
- Provision of a suitable breathing environment for workers.
- Prevention of skin irritation problems.

6.2 DANGER OF EXPLOSION OR FIRE

The key factor in preventing an explosion or fire, when considering the application of coatings in open air is elimination of naked flames, sparks and any ignition sources.

Welding, cutting or grinding in the vicinity of paint application should be forbidden until paint fumes are totally dispersed.

Smoking must be prohibited in the vicinity of paint application.

Airless spray equipment must be earthed (because of the danger of static electricity build-up).

Mobile telephones and electrical cameras must not be used in the vicinity of paint application until paint fumes are totally dispersed.

6.3 SOLVENT VAPOUR AND PAINT MISTS - PROTECTION OF PAINTING PERSONNEL

Painters must wear protective clothing, e.g. overalls, gloves, and suitable footwear of non-spark type.

6.4 ISOCYANATE VAPOUR AND SPRAY MISTS

Several of the products which make up the Intershield Interior Deck System contain isocyanate (consult product Health & Safety Data Sheets). Individuals who have lung or breathing problems, or who have had prior reaction to isocyanates, must not be exposed to vapour or spray mist. An appropriate, correctly fitted, supplied air respirator should be worn during and after application.

6.5 SKIN IRRITATION

If the correct protective clothing has been worn, e.g. overalls, gloves, air fed hood etc, no discomfort should be experienced from skin irritation. Any small areas not protected by clothing, e.g. wrists or neck, can be treated with a non-greasy barrier cream. (Petroleum jelly is not recommended as this can assist the transport of solvents into the skin).

Any areas of skin accidentally contaminated with paint must be thoroughly washed with soap and water. A skin conditioner that is designed to replace the natural oils in the skin can be used.

Application Guidelines

Intershield® 7100LWT

Revision 3 Date 15th September 2015



Note


1. The preceding safety information is given for guidance only.
2. It is imperative that, prior to the commencement of any hold coating project, local Regulations regarding Health and Safety be consulted.
3. Consult the relevant Product Health & Safety Data Sheets prior to use.

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