# Interzone® 3507

## Modified Epoxy

**PRODUCT DESCRIPTION**

A high performance, two component, high solids epoxy barrier coating suitable for low temperature curing.

**INTENDED USES**

Primarily designed for use as a two coat coating system for the protection of subsea structures. Approved for NORSOK M501 Rev 5 system 7 subsea.

**PRACTICAL INFORMATION FOR INTERZONE 3507**

| | |
|---|---|
| **Colour** | Limited range |
| **Gloss Level** | Semi Gloss |
| **Volume Solids** | 80% |
| **Typical Thickness** | 150-200 microns (6-8 mils) dry equivalent to<br>188-250 microns (7.5-10 mils) wet |
| **Theoretical Coverage** | 4.60 m²/litre at 175 microns d.f.t and stated volume solids<br>183 sq.ft/US gallon at 7 mils d.f.t and stated volume solids |
| **Practical Coverage** | Allow appropriate loss factors |
| **Method of Application** | Airless Spray, Air Spray, Brush, Roller |

**Drying Time**

| | | | Overcoating Interval with recommended topcoats | |
|---|---|---|---|---|
| **Temperature** | **Touch Dry** | **Hard Dry** | *Minimum* | *Maximum* |
| 10°C (50°F) | 4 hours | 8 hours | 8 hours | 21 days |
| 15°C (59°F) | 2 hours | 6 hours | 6 hours | 21 days |
| 25°C (77°F) | 90 minutes | 3.5 hours | 3.5 hours | 21 days |
| 40°C (104°F) | 60 minutes | 2 hours | 2 hours | 21 days |

**REGULATORY DATA**

| | | |
|---|---|---|
| **Flash Point (Typical)** | Part A 31°C (88°F); Part B 32°C (90°F); Mixed 32°C (90°F) | |
| **Product Weight** | 1.57 kg/l (13.1 lb/gal) | |
| **VOC** | 157 g/kg | EU Solvent Emissions Directive (Council Directive 1999/13/EC) |

See Product Characteristics section for further details

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**SURFACE PREPARATION**

The performance of this product will depend upon the degree of surface preparation. The surface to be coated should be clean, dry and free from contamination. Prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

### Abrasive Blast Cleaning

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of Interzone 3507, the surface should be reblasted to the specified visual standard.

Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

A sharp, angular surface profile of 50-75 microns (2-3 mils) is recommended.

**APPLICATION**

**Mixing**

Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

(1) Agitate Base (Part A) with a power agitator.

(2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.

**Mix Ratio**

3 part(s) : 1 part(s) by volume

**Working Pot Life**

| 10°C (50°F) | 15°C (59°F) | 25°C (77°F) | 40°C (104°F) |
|---|---|---|---|
| 3 hours | 2 hours | 60 minutes | 30 minutes |

| | | | |
|---|---|---|---|
| **Airless Spray** | Recommended | Tip Range 0.45-0.66 mm (18-26 thou)<br>Total output fluid pressure at spray tip not less than 176 kg/cm² (2503 p.s.i.) | |
| **Air Spray (Pressure Pot)** | Recommended | Gun<br>Air Cap<br>Fluid Tip | DeVilbiss MBC or JGA<br>62<br>AC |
| **Brush** | Suitable | Typically 80 microns (3.2 mils) can be achieved | |
| **Roller** | Suitable | Typically 80 microns (3.2 mils) can be achieved | |
| **Thinner** | International GTA220 (or GTA415) | DO NOT thin more than allowed by local environmental legislation. | |
| **Cleaner** | International GTA822 (or GTA415) | | |

**Work Stoppages**

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA822. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

**Clean Up**

Clean all equipment immediately after use with International GTA822. It is good working practice to periodically clean equipment during the course of the working day. Frequency of cleaning will depend upon amount used, temperature and elapsed time, including any delays.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

**PRODUCT CHARACTERISTICS**

When applying Interzone 3507 by brush or roller, it may be necessary to apply multiple coats to achieve the total specified system dry film thickness.

Surface temperature must always be a minimum of 3°C (5°F) above dew point.

In cases where overcoating is required and curing has been at low temperatures and high relative humidities, ensure no amine bloom is present prior to application of subsequent topcoats.

Condensation occurring during or immediately after application may result in a matt finish and an inferior film.

Premature exposure to ponding water will cause a colour change, especially in dark colours.

In common with all epoxies Interzone 3507 will chalk and discolour on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

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**SYSTEMS COMPATIBILITY**

Interzone 3507 will generally be applied to bare steel prepared by dry abrasive blasting.

The following primers are recommended for Interzone 3507:

Interzinc 52

The following topcoats are recommended for Interzone 3507:

Intergard 740

Interthane 990

For other suitable primers/topcoats consult International Protective Coatings.

**ADDITIONAL INFORMATION**

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

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**SAFETY PRECAUTIONS**

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

| | | | | | |
|---|---|---|---|---|---|
| **PACK SIZE** | Unit Size | Part A | | Part B | |
| | | Vol | Pack | Vol | Pack |
| | 20 litre | 15 litre | 20 litre | 5 litre | 5 litre |
| | For availability of other pack sizes, contact International Protective Coatings. | | | | |
| **SHIPPING WEIGHT (TYPICAL)** | Unit Size | Part A | | Part B | |
| | 20 litre | 24.7 kg | | 5.45 kg | |
| **STORAGE** | Shelf Life | 12 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. | | | |

**Important Note**



**www.international-pc.com**