

JOB METHOD STATEMENT – PONT-YR-ODYN CYCLEBRIDGE

Project Title:	Preparation & Painting of Pont-Yr-Odyn Cyclebridge, Aberystwyth				
Document Ref:	8171/JMS/NC	Date:	31/01/2020	Sheet No:	1 of 7
Prepared By:	N.G.Curtis	Approved By:	R.Stanger	Safe Site:	Yes

1. Scope of Works

Brief Description of Works:	The surface preparation and application of protective coatings to Pont-Yr-Odyn Cycle Bridge. Preparation & Painting of Structural Steelwork, Barings and Parapets All works about the above are to be carried out in accordance with the terms and conditions as specified on the permit to work and in accordance with the conditions and procedures set out in this document and any subsequent amendments.
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Location:	Easting: 258333, Northing: 281277				
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Start Date:	April 1 st 2020	Client:	Alun Griffiths (Contractors) Ltd		
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2. Plant and Equipment Requirements

Type	Qty	Type	Qty	Type	Qty
Tungsten Scrapers	4	100 mm Angle Grinders (Battery)	2		
Assorted Abrasive Papers	20	Blast Pot & Lines	1		
Assorted Hand Tools	4	400 CFM Compressor	1		
Assorted Brushes	10	Drip Tray	1		
Wet Film Thickness Combs	100				
Dry Film Thickness Gauge	1				
Elcometer Dewmaster 319	1				

3. Personnel

Key Site/Safety Critical Personnel

Name	Position	Contact No.
Nigel Curtis	Contracts Manager	07799 863831
Robert Stanger	Managing Director	07970 849651
Phil Thomas	Health & Safety Advisor	02920 849651
Craig Hall	Site Foreman	07913 981493

4. Personal Protective Equipment (Minimum Site Requirement)

Hard Hat	Ear Protection (use of Power Tools & Grit Blasting)
Safety Boots	Flame Retardant Overalls
Hi-Visibility Vest or Jacket	Air Fed Blast Helmet
Safety Gloves	
Light Eye Protection	
Goggles (disc cleaning)	

5. Revision Record

Revision	Date	Page	Description of Revision	Prepared By	Authorised By
O	31.01.2020	N/A	Original Issue	N.G.Curtis	R.Stanger
A					
B					
C					

6. Training Requirements

All site operatives to hold current CSCS card.
 All operatives to hold current CCSNG safety passport card.
 All operatives to receive site induction training.

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All operatives to be given instruction on the contents of the method statement.
All operatives to be given refresher instruction on the contents of this method statement as progress dictate daily.
All operatives to be given weekly toolbox talk by site manager.
All Mobile Tower Scaffold installers to be trained to PASMA requirements.

7. General Specification

Areas contaminated by oil or grease shall be cleaned down by using clean water, prior to surface preparation by other specified methods.

All equipment including plant, tools, abrasive discs, papers, etc, shall be of a suitable type and capacity.

Immediately prior to painting, surfaces are to be:

- Prepared to the specified standard.
- Free from any dust, dirt or other detrimental contamination.
- Dry and ready for painting.

Application Conditions.

Surface temperature must always be a minimum 3° C above dew point.

The relative humidity should not be above 85%.

Painting should not be undertaken;

- When the air temperature falls below the lower drying or curing limit of the coating.
- During fog or mist conditions. Or when rain or snow is imminent.
- When the surface to be painted is wet with condensation or when condensation can occur during the initial drying period.

Painting Specification. (General)

All Areas.

Wash down with clean water to remove all surface contaminants.

All areas of corrosion are to be Hand/Mechanically Cleaned to ST3. Areas of sound paint are to be lightly abraded by hand, ensuring any loose edges are feathered back to a tight and firm edge.

Protective Coatings.

All Steelwork.

Areas that have been cleaned to bare steel are to receive the following full coats;

- 1 Coat Item 115 Surface Tolerant Epoxy Aluminium Primer dft 100 microns
- 1 Coat Item 116 Surface Tolerant Epoxy Undercoat dft 100 microns
- 1 Coat Item 168 Acrylic Polyurethane Enamel dft 50 microns

Areas of Sound Coating are to receive the following full coats;

- 1 Coat Item 116 Surface Tolerant Epoxy Undercoat dft 100 microns
- 1 Coat Item 168 Acrylic Polyurethane Enamel dft 50 microns

8. Quality Control

All works about the above are to be carried out in accordance with all the necessary contract requirements, the information contained within the product data sheets and procedures set out in our Quality Control Manual.

Approved methods of taking wet and dry film thickness are to be agreed.

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We propose the use of wet film thickness combs for taking wft readings and the Elcometer 456 for dry film thickness readings. Climatic conditions are to be taken and recorded on a frequency which is to be determined. Elcometer Dewmaster 319 to be used. The format of the quality audit sheet is to be agreed and how it should be implemented.

9. Access and Egress

Plant – Access to site will be via public access.

Site Personnel – Access via designated roads and walkway routes.

10. Emergency Arrangements

Emergency Contact: Nigel Curtis – 07799 863831

To be in accordance with Wardle Painters site rules and arrangements as instructed during induction.

First Aid box to be retained in main contractors Site Office under the control of the Site Manager

All escape and emergency routes to be kept clear always

The site supervisor is to be responsible for co-ordinating access routes. [All as detailed in site induction]

The site foreman to discuss and implement the means of contact with the AGL site supervisor in the event of an emergency.

All accidents are to be reported to the site first aid centre / Wardle Painters and recorded in site accident book. Copy of accident book entry to be forwarded to Mr.N.Curtis

IN THE EVENT OF AN EMERGENCY, OPERATIVES ARE TO RING THE GAS SAFETY NUMBER 0800 111999.

11. Emergency Telephone Numbers

Nigel Curtis – Director – 07799 863831/01446 410007

Robert Stanger – Director – 07970 849651

Head Office – 02920 777070

12. General Safety Requirement

This work will be carried out based on our company Safety Policy with accepted guidance from AGL Site Safety Representatives. Access to other trades will be restricted to the construction area unless prior agreement with Senior AGL personnel has been agreed. Any person found by-passing safety barriers will be subject to disciplinary procedure.

No Wardle Painters personnel to be allowed on the site until: - The general site induction has taken place, all permits to work required has been actioned, Wardle Painters Daily Register for staff and visitors is completed and Method Statement Induction is completed by Site Manager. N.B. This is to be strictly adhered to. Any Wardle Painters Ltd personnel not complying will be removed from site immediately.

General housekeeping to be stringently enforced, i.e. waste material to be placed in skips provided by Wardle Painters Ltd.

No empty paint tins or scrap to be left lying around site area.

All equipment to be stored in orderly manner and to a safe working height. Storage areas are to be supplied by AGL.

Mess rooms to be kept clean.

No rubbish to be allowed to accumulate around compound area.

All scaffolds to only be assembled by competent NSRS (CITB approved) personnel.

All scaffolds to be scaff – tagged and have correct toe-board & double handrail.

All cabins will be class A type with 1-hour fire rating and will be fitted with smoke alarms & fire –extinguishers

All lifting tackle to be checked prior to daily use & hold current certification.

Toolbox talks to be conducted on a weekly basis with copy passed on to AGL safety department.

Site manager to complete weekly safety checklist / labour and plant returns then pass copies to AGL safety department.

Working hours Mon-Fri 08.00 to 16.30. (Daylight hours only unless by prior agreement and then only when adequate lighting is in place).

Weather conditions will be monitored constantly. – Site manager to action daily

Risk to others - No other contractors allowed into erection area once work commences. Area to be demarcated by barriers and signage.

COSHH – Assessment for paint.

Security – Wardle Painters Ltd

All operatives will hold a current CSCS and passport to safety card.

Before work starts, this document will be read, understood and signed by the site operatives carrying out the work, and a copy kept in the site file available for review.

If the method statement or risk assessment is deemed to be inadequate by any of the site operatives (due to changing circumstances for example). Then it shall be revised immediately by the project engineer/manager.

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All Accidents & Injuries to be reported to and recorded by AGL.
In all circumstances, a permit to work system shall be enforced and put into operation.
All site operatives must understand and comply with all the requirements of permit to work systems.
The submission of method statements shall be identified on permits.
Operatives to have gas monitors on their person always.

13. Method of Works

Access to the Works.

Access to the works will be gained from spanning a temporary scaffold structure across the river (Afon Rheidol). Protective sheeting will be placed on the deck and sides of the scaffold to prevent any debris or paint splashes entering the watercourse. The access scaffolding will be erected by a specialist scaffolding contractor. Fixed scaffolding is to be supplied by AGL.

Construction of Scaffold.

The scaffold will be of a beam bridge type. The bridge will be constructed from 6m x 450 alloy lattice beams, joined using tube and double couplers to make a boarded platform. The underside of the scaffold will be approx. 4.5 meters above the current water level. The scaffold is to have monoflex and sandwiched decking to prevent debris falling into the watercourse. Boarded platform to be a minimum 2 meters above water. (All permits and permissions to be granted)

Site Induction.

All operatives working on the above contract will receive a familiarisation induction with respect to the works. Access/Egress points will be determined.

General.

Sequence of Working.

The works will be carried out during a 5 day-working period.

The surface preparation is to be carried out by utilising a combination of Hand Wire Brushes, Battery Operated Angle Grinders fitted with Abrasive Pads and Tungsten Scrapers. Works will commence at the north end of the bridge working south.

On completion of the surface preparation, application of the protective coatings will commence. All paints are to be applied by a combination of brush and roller. We anticipate carrying out the works over a 5-day period working approx. 6 hours per day. We expect to use approx. 20 litres of paint per day.

No Climbing signs are to be attached to the crossing.

Throughout the duration of the works, environmental conditions will be monitored collectively with paint film thickness, both wet and dry and the findings recorded on the Daily Paint Inspection Form.

We envisage a site workforce of 2 operatives.

Additional Precautions Whilst Working Over the Watercourse.

- Tools are to be tethered to the scaffolding.
- Paint tins are to be limited to 5 Litre containers.
- Paint tins are only to be a maximum of half full at any time.
- Paint tins are to be placed in drip trays.
- Dust sheets are to be laid on top of the scaffold deck to collect any waste generated by our activities and removed and

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replaced at frequent intervals.

- The scaffold will be inspected at the end of each shift and all equipment, paint containers, etc, will be removed from the structure.

TRAINING

OPERATIVES EMPLOYED ON THE ABOVE CONTRACT HAVE BEEN FULLY TRAINED BY AN EXTERNAL SAFETY TRAINING ORGANISATION AND HOLD CURRENT CERTIFICATES FOR THE FOLLOWING PROCEDURES.

CCSNG
CSCS
ICATS

NOTE:

All safety devices must be operating correctly and checked regularly.

The work area will be cleared of any debris at least daily.

All operatives will be wearing high visibility tops and flame proof overalls.

Operatives will be made aware of other contractors in the work area.

Site Supervision.

The contract will be supervised daily by the on-site, site supervisor, who will provide on-site supervision of our operatives and daily liaison between parties to ensure all present and future requirements are clearly defined.

COSHH

Assessment of all materials to be used on site have been completed under the Control of Substances Hazardous to Health (COSHH) Regulations 2002 and are held on site, in our office and provided to the client.

All necessary precautions required to be taken by our operatives under these regulations have been detailed to our operatives.

Where persons other than our operatives are at risk due to materials being applied then suitable arrangements have been made for their protection.

Signage.

Warning signs and wet paint signs will be used as and when deemed necessary to warn client's staff and the public of our operations. Every care will be taken to ensure safety of client's staff and the public whilst mechanical preparation is in progress. We would request that the client inform all staff of the impending operations.

General Waste.

All debris arising from the works will be cleared by our operatives to specific disposal skips and disposed of thereafter to a licensed tip by an approved waste carrier.

The work zone will be inspected daily by the site supervisor for all matters relating to health & safety to ensure all works are completed in a safe manner. Barriers are to be placed around the work area always as the works progress.

Weekly site visits will be made by our contract staff to review matters arising on site and safety performance.

By-weekly visits will be made by the Contract Manager to assess the overall performance on site regarding the safety performance achieved.

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These visits will be logged on site by the site supervisor any comments regarding the visit recorded on the site progress report sheet.

All necessary site storage will be provided for the safe and secure storage of all plant, equipment and materials during the duration of the project.

We currently employ Messrs. South Wales Safety Consultancy Ltd as our appointed independent safety advisors. The safety officer will make unscheduled visits to site and audit our safety performance and provide written reports on their findings. Copies of these reports are kept on site and our head office. Any actions arising from these visits are actioned as necessary.

Dust control will be in place. I.e. suppression by damping the substrate.

14. Monitoring

The work activity will be continually supervised by Mr. Craig Hall who will be on site on a full-time basis.

15. Enforcement

This method statement is to be enforced by Mr. Craig Hall (Site Foreman)

Periodic safety audits will be carried out by Mr. Nigel Curtis (Contracts Manager)

Any actions from this report shall be issued to Mr. N. Curtis (Contracts Manager) for his immediate action.



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DECLARATION.

I have read and fully understand the contents of this method statement.

Operatives Name (Print)	Operatives Signature	Date

Environmental Impact Assessment – Painting Over Water – Pont-Yr-Odyn Cyclebridge.

Wardle Painters have conducted an Environmental Impact Assessment about painting structures on, near or over water.

This Impact assessment will look at what impact the operation would have on the Environment given the worst-case scenario and will also explain the actions that will be taken by Wardle Painters to ensure that the worst-case scenario will never arise and the actions that would ensue if it ever did.

The following information will show how Wardle Painters will structure their operation with Health, Safety and Environmental protection as the paramount requirements.

Health, Safety and Protection of the Environment are essential requirements in all work undertaken by Wardle Painters.

1) Actions prior to painting

Wardle Painters will engage the services of a Certified, Qualified and Competent Scaffolding Contractor to erect scaffolding as required for each job.

Environmental Impacts that may arise

- 1) Dirt, oil or debris present on the scaffolding could enter and contaminate the water course.
- 2) Dirt, oil or debris present on the boards could enter and contaminate the water course.
- 3) Dirt, oil or debris present on the sheeting could enter and contaminate the water course.
- 4) Dirt, oil or debris present on the clamps & brackets could enter and contaminate the water course.
- 5) Dirt, oil or debris present on the scaffolding operators could enter and contaminate the water course.
- 6) The scaffolding operators themselves could enter and contaminate the water course and/or cause injury or death.

Actions that will be taken to minimise the possibility of the above events arising

- 1) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that the supply new or perfectly clean scaffolding.
- 2) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that the supply new or perfectly clean scaffolding boards.
- 3) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that the supply new sheeting.
- 4) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that the supply new or perfectly clean clamps & brackets.

- 5) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that the scaffolding operators wear new or perfectly clean overalls.
- 6) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that only fully competent staff who have been trained in working on, over or near water are used on this type of work, that full safety briefings must take place on each occasion and that all harnesses are certified and checked before use.

Actions that will be taken to should the worst-case scenario arise

- 1) Wardle Painters will ensure that adequate controls are in place to minimise the Environmental impact should any of the worst-case scenarios arise. Which will include full Method Statements, Risk Assessments and methods of retrieving any contaminants which may have entered the water course.
- 2) Wardle Painters will ensure that the scaffolding Company has all of the requirements in place before work begins.
- 3) Wardle Painters will ensure that the scaffolding Company has all of the Health & Safety procedures and systems in place before allowing work to commence.
- 4) Wardle Painters will ensure that the scaffolding Company report back to Wardle Painters any concerns or incidents, which, in turn, Wardle Painters will report to the Client.

2) Actions During Painting

Environmental Impacts that may arise

- 1) Paint could enter and contaminate the water course.
- 2) Contaminated paint brushes could enter and contaminate the water course.
- 3) Paint, dirt, oil or debris present on the painting operators could enter and contaminate the water course.
- 4) Large quantities of paint stored on site may accidentally find its way into the water course.
- 5) Paint and other substances in use are harmful to the environment.
- 6) Waste not disposed of correctly so that it may enter the water course.

Actions that will be taken to minimise the possibility of the above events arising

- 1) Wardle Painters will ensure that all of the protective sheeting is in place and undamaged before commencing work on each occasion. Any damage caused during the operation will be repaired immediately and work will cease until an effective repair has been made. On top of these measures, only 2.5 litres of paint will be open and in use over any water course at any time.

- 2) The actions in 1) above will also stop this from occurring.
- 3) Wardle Painters will insure that all the scaffolding and boarding is in a safe and serviceable condition each time before work begins. Any problems caused during the operation will be corrected immediately and work will cease until an effective correction has been made.
- 4) All paints that are not in use will be stored in a locked steel container. The container will be stored in a position where there is no chance of any of the items stored in the container reaching the water course. Any mixing or thinning of paints will also be conducted by the container.
- 5) The paints that are in use by Wardle Painters are the best paints available from the premier Paint Manufactures, details of paints to be used are listed below;

Paint Name	Manufacturer	Active Ingredients	Hazzard Group
Hempadur Mastic 45889	Hempel	1) bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 – 15~25%. 2) xylene 5 – 10%. 3) Lead chromate (C.I. pigment yellow 34 / C.I. pigment red 104) – 3~5%. 4) benzyl alcohol – 1~3%. 5) Ethylbenzene – 1~3%. 6) solvent naphtha (petroleum), light arom – 1~3%. 7) alpha'-(1,3-xylenediyl)bis(12-hydroxyoctadecanamide – 1~3%. 8) white spirit – 0.15~0.3%.	Toxic Dangerous for the Environment
Hempel Curing Agent 9588	Hempel	1) cyclohexanone – 15~25%. 2) Xylene – 10~12.5%. 3) benzyl alcohol – 3~5%. 4) Ethylbenzene – 1~3%. 5) 2,4,6-tris(dimethylaminomethyl)phenol – 1~3%. 6) Triethylenetetramine – 1~3%.	Harmful
Hempathane Topcoat 55219	Hempel	1) solvent naphtha (petroleum), light arom. – 15~25%. 2) Xylene – 12.5~15%. 3) Lead chromate (C.I. pigment yellow 34 / C.I. pigment red 104) – 3~5%. 4) Ethylbenzene – 3~5%. 5) alpha'-(1,3-xylenediyl)bis(12-hydroxyoctadecanamide) – 1~5%. 6) bis (1,2,2,6,6-pentamethyl-4-piperidyl)sebacate– 0.3~0.5%. 7) n-butyl acrylate – 0.15~0.3%. 8) white spirit – 0.15~0.3%.	Toxic Dangerous for the Environment
Hempel Curing Agent 95370	Hempel	1) prepolymer isocyanate HDI – 50~75%. 2) Xylene – 10~12.5%. 3) Ethylbenzene 1~3%. 4) hexamethylene-di-isocyanate – 0.3~0.5%.	Harmful
Interzone 954 Part B	International	1) Polymer containing amino, substituted amino, aminocarbonyl substituted carbopolycycle with hydroxy epoxy alkane – 50~75%. 2) Xylene – 12.5~20%. 3) 1, 3-Cyclohexanedimethanamine – 10~20%. 4) benzyl alcohol – 7~25%. 5) Ethylbenzene – 3~5%.	Flammable Toxic Corrosive

		6) butan-1-ol – 1~3%. 7) Calcium(II) nitrate, tetrahydrate (1:2:4) -1~5%.	Dangerous for the Environment
Interzone 954 Black Part A	International	1) reaction product: bisphenol-A(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) – 5~25%. 2) Xylene –5~10%. 3) Ethylbenzene – 1~3%. 4) [3-(2,3-epoxypropoxy) propyl]trimethoxysilane – 1~5%.	Flammable Irritant

Note: The Manufacturers Safety Data Sheets (MSDSs) will always be made available on site .

- 6) All waste will be disposed of via Licenced Waste Carriers, copies of the Licences will be held on site and correctly completed waste Transfer Notes will be received for each waste transfer that takes place.

Although the Company is not Certified to ISO 14001, they do work in line with the requirements of the International Standard and are working towards Certification in the near future.

Actions that will be taken to should the worst-case scenario arise

- 1) Wardle Painters will ensure that adequate controls are in place to minimise the Environmental impact should any of the worst-case scenarios arise. Which will include full Method Statements, Risk Assessments and methods of retrieving any contaminants which may have entered the water course.
- 2) Wardle Painters will ensure that they have all the requirements in place before work begins.
- 3) Wardle Painters will ensure that all their employees follow Health & Safety procedures and systems in place before allowing work to commence.
- 4) Wardle Painters any concerns or incidents to the Client.

3) Actions After Painting

Environmental Impacts that may arise

- 1) Paint, dirt, oil or debris present on the scaffolding could enter and contaminate the water course.
- 2) Paint, dirt, oil or debris present on the boards could enter and contaminate the water course.
- 3) Paint, dirt, oil or debris present on the sheeting could enter and contaminate the water course.
- 4) Paint, dirt, oil or debris present on the clamps & brackets could enter and contaminate the water course.
- 5) Paint, dirt, oil or debris present on the scaffolding operators could enter and contaminate the water course.

- 6) The scaffolding operators themselves could enter and contaminate the water course and/or cause injury or death.

Actions that will be taken to minimise the possibility of the above events arising

- 1) Wardle Painters will ensure that all areas are free from paint, dirt, oil and debris before allowing dismantling of the scaffolding and will remind the scaffolding Company of the requirements of the site.
- 2) As 1) above.
- 3) As 1) above.
- 4) As 1) above.
- 5) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that the scaffolding operators wear new or perfectly clean overalls.
- 6) Wardle Painters will instruct the scaffolding Company that the requirement for this type of work is that only fully competent staff who have been trained in working on, over or near water are used on this type of work, that full safety briefings must take place on each occasion and that all harnesses are certified and checked before use.

~~ End of Document~~

ALUN GRIFFITHS LTD RECORD OF RISK ASSESSMENT

Premises: Pont-Yr-Odyn Cyclebridge, Aberystwyth	Assessment Ref.: 8171/RA/NC Revision: Original	Assessment Leader: Nigel Curtis	Assessment Date: 30/01/2020
Location, process, activity, product, part of other subject assessment:	Person(s) Group at Risk: Company employees, sub-contractors & others in area	Property at Risk: n/a	
Aspects of Environmental Risk: n/a	Next Review Date or earlier date in which a change in knowledge or circumstances occurs which may affect validity: (Review December 2020)		

Hazard	Hazardous Effect	Initial Risk			Risk Control Measures	Residual Risk		
		F	S	IR		F	S	RR
Work at height	Injury from fall, falling materials.	2	5	10	Operatives to be instructed in the use of safe working procedures with respect to the job. Inspect daily, all safety equipment. Any defects noted should be attended to immediately prior to use. All working at heights will be guarded to prevent falls of persons and materials where practical. Appropriate safety equipment will be used when necessary.	1	5	5
Use of COSHH Materials	Skin Conditions, Respiratory Conditions, Contact Injuries, Other Trades.	2	2	4	Competent operatives to be used. COSHH Assessments provided Gloves and overalls to be provided and worn always. Eye protection to be worn as necessary. Adequate ventilation to be maintained always. Segregation of other trades and where necessary physical barriers put in place. Provision of welfare facilities. First aid by trained operatives. Emergency arrangements in place. Empty tins are to be taken from site and disposed of in accordance with the COSHH regulations 2002.	1	2	2
Gas Infrastructure	Damage to Infrastructure/Gas Leak	3	3	9	During the preparation phase of the works it is possible that corroded sections of the steelwork may develop holes when fully prepared causing gas to leak out of the pipe. If this happens all work is to cease immediately, the area cleared and secured, and the Gas Emergency telephone number rang to inform them of the leak. No Hot works are to be permitted on site until the leak has been repaired. Operatives are always to have a fully operational Gas Monitor on their person whilst working on live gas installations.	1	3	3
Cluttered walkways	Slips, trips and falls	2	2	4	Maintain good housekeeping and use barriers to segregate walkways where required	1	2	2

PROBABLE FREQUENCY - People	SEVERITY - People	Severity - Plant/Assets	Frequency X Severity = Risk Rating	Risk Matrix	RISK EXPLANATION
1 = Improbable Occurrence	1 = Trivial Injuries – not requiring first aid	1 = Negligible	1-8 (3% - 16%) = Low Risk	6 12 18 24 30 36	1 – 8 Acceptable (While further action <u>may</u> not be reasonable or practicable it is essential that the process and controls are monitored throughout the work).
2 = Possible Occurrence	2 = Minor Injuries – requiring first aid	2 = Minor Damage		5 10 15 20 25 30	9 – 16 Insufficient (Improvements are required to reduce the risks to an 'Acceptable' level and a suitable timescale must be established in which to make sure that they happen. Monitoring will be required when measures have been implemented).
3 = Occasional Occurrence	3 = Major Injury to ONE person – reportable to RIDDOR	3 = Moderate Damage	9-16 (17% - 46%) = Medium Risk	4 8 12 16 20 24	
4 = Frequent Occurrence	4 = Major Injury to SEVERAL people – reportable to RIDDOR	4 = Severe Damage		3 6 9 12 15 18	
5 = Regular Occurrence	5 = Death of ONE person	5 = Major Damage	17-36 (47% - 100%) = High Risk	2 4 6 8 10 12	17 – 36 Unacceptable (Work <u>must not</u> be permitted to progress until suitable measures have been put into place to reduce the risks to an 'Acceptable' level. Monitoring will be required when measures have been implemented).
6 = Common Occurrence	6 = Death to MULTIPLE people	6 = Catastrophic		1 2 3 4 5 6	

ALUN GRIFFITHS LTD RECORD OF RISK ASSESSMENT

Incorrect use of tools and equipment	Cuts, abrasions and contact injuries	3	3	9	Operatives to be trained and adequately supervised. Tools and equipment to be inspected and maintained regularly	2	3	6
Manual Handling	Musculoskeletal injuries	3	3	9	Use of mechanical handling equipment where possible. Ensure operatives trained in manual handling and competent, large diameter pipes to be fabricated in manageable lengths if lifting into bracket supports manually.	2	3	6
Mal operation of equipment	Entanglement	3	3	9	Trained operatives for rigging and handling equipment. Equipment to be maintained and inspected. Ensure correct tools are used for the task.	2	3	6
Failure of equipment, flying equipment particles	Eye, hand, arm and body injuries	3	3	9	Operatives to be given machine specific induction and survey surroundings before use or movement	2	3	6
Falling objects and operatives	Head and body injuries to operatives and others working in vicinity	3	3	9	Ensure operatives are wearing appropriate PPE. Wherever possible segregate working area. Only access/egress the equipment from designated gate/stairs and only when the equipment is fully lowered, don't climb up the outside of the equipment. Only work within the confines of the hand rail do not over stretch, never use the guard rails to gain extra height.	1	3	3
Evasive Plants	Personal Injury, Hand injuries, back injuries.	2	4	8	Care must be taken whilst moving around the site and it is advisable to remain within the allocated working area. There are many obstacles, including excavations, holes and machinery. Access to most parts of the site is probably by foot. Hi-visibility clothing and full PPE should be worn at all times. All vegetation removed is to be bagged and taken away for disposal.	1	4	4
Protection of others/Vehicles on site.	Other people being hit by plant, equipment, vehicles, etc.	2	3	6	Ensure that work area is cordoned off and the necessary warning signs are in place. Ensure that any unnecessary plant, equipment, vehicles, etc. are located away from the workplace.	1	3	3
Use of Step Ladders	Not securing the ladder properly, Unsafe use of ladder (over-reaching, sliding down, etc.) Using ladder with a defect. Unsuitable base to ladder. Insufficient handhold at top of ladder or at stepping off position. Insufficient foothold at each rung. Ladder	3	5	15	Check ladders before use to ensure that there are no defects and then check at least weekly whilst in use on site. Ensure that where a defect is noted, or a ladder is damaged, it is taken out of use immediately. Ensure that ladders in use are secured, have a solid, level base and are being used correctly. Ladders with defective rungs must not be used. Ladders must be in good condition and of adequate length and strength for the work in progress. Ladders must be secured	1	5	5

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ALUN GRIFFITHS LTD RECORD OF RISK ASSESSMENT

	at unsuitable angle, swaying, springing, etc. Insufficient overlap of extension ladders.				at the top and be long enough to extend 1.05 meters above the landing place. Ladders should be placed at an angle of 1:4. Place ladders on a firm level base.			
Use of Electrical Power Tools	Electric Shock, Unguarded Machinery, Tripping, Fire.	3	5	15	Ensure PPE is used during any power tool operation. (I.E. Suitable eye protection, gloves). Ensure that appliance usage is run off 110V and has been inspected. Ensure equipment has been portable appliance tested. Ensure operatives are competent to use the associated power tools.	2	3	6
Working Over Water	Falls from Height, Drowning, Exposure	2	3	6	Ensure rescue plan is in place. Ensure all workers can swim, provide lifebuoys or other flotation devices. Users of mobile plant should not wear seat belts or safety harnesses near or over water. Carry out a more detailed assessment if required.	1	3	3
Use of Lightweight Mobile Towers	Falls from Height, Falling Objects, falls from Inadequately tied or defective ladders, Collapse of Structure, Unsuitable Base, Overloading, Unsafe Access, Adverse Weather.	3	5	15	All Lightweight Mobile Towers to only be assembled by competent PASMA approved personnel. All towers to be scaffold – tagged and have correct toe-board & handrail. Ensure that the scaffold is inspected every 7 days by a competent person. Ensure that no person other than a competent person is permitted to alter the structure. All scaffolds must be straight and square. Standards must be placed on a base plate and if necessary also on a timber sole plate to ensure a firm foundation. Platform boards must be adequately supported.	1	5	5
Biological hazards	Weill's disease is a potentially serious bacterial infection. It is commonly acquired from water contaminated with rat urine and is therefore associated with outdoor water activities. Can lead to Jaundice, meningitis and kidney failure	2	4	8	Weill's disease from rat urine is a potential risk on all sites. Good hygiene is to be followed including no eating, drinking or smoking on site. Wash hands before eating drinking or smoking, Clean and cover all cuts. Be aware of drug paraphernalia (HIV & Hepatitis) and clean up the site depositing any syringes in a sharps container. If it is required to put hands into an area that cannot be seen puncture proof gloves must be used.	1	4	4
Housekeeping	Fire, tripping and slipping, collapse of stored material, handling problems, restricted or blocked access, health risks,	2	4	8	Ensure that all employees are made aware of the benefits of good housekeeping. Ensure that there is sufficient space available to store materials. Ensure that working areas, access and egress routes are kept clear always. Ensure that all	1	4	4

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ALUN GRIFFITHS LTD RECORD OF RISK ASSESSMENT

	falling materials				waste materials are disposed of as the works proceed. Clean up all spillages immediately and dispose of waste correctly. Keep areas around plant and machinery clean and tidy. Ensure any extension leads are routed to avoid tripping hazards.			
Fuel / oil spillage	Slip, trip, fall. Contaminated land	2	3	6	Refuelling procedures strictly to manufacturer's instructions. Machine defects reported promptly. Spillages cleaned up and reported right away.	1	3	3
Use of Brushes and Rollers. (Hand Tools)	Skin Conditions, Respiratory Conditions, Contact Injuries, Other Trades.	2	2	4	Competent operatives to be used. COSHH Assessments provided Gloves and overalls to be provided and worn always. Eye protection to be worn as necessary. Adequate ventilation to be maintained always. Segregation of other trades and where necessary physical barriers put in place. Provision of welfare facilities. First aid by trained operatives. Emergency arrangements in place.	1	2	2
Use of Scaffolding	Falls from Height, Falling Objects, falls from Inadequately tied or defective ladders, Collapse of Structure, Unsuitable Base, Overloading, Unsafe Access, Adverse Weather.	3	5	15	All Scaffold structures are to only be assembled by competent approved personnel. All towers to be scaff – tagged and have correct toe-board & handrail. Ensure that the scaffold is inspected every 7 days by a competent person. Ensure that no person other than a competent person is permitted to alter the structure. All scaffolds must be straight and square. Standards must be placed on a base plate and if necessary also on a timber sole plate to ensure a firm foundation. Platform boards must be adequately supported.	1	5	5
Use of High-Pressure Jetting Equipment	Untrained Personnel, Failure to use PPE, Incorrect PPE, Noise,	3	3	9	Ensure that a competent person is appointed to supervise the operations continually and that the safety system fitted to the equipment is being used. Ensure that a minimum of 2 persons are involved in any Jetting operations. Ensure that the correct Personnel Protective Equipment is issued and worn at all times. Face visors are required. Agree all signals between the lance operator and the pump man prior to commencement of the works. Ensure that all operatives have been issued with ear protection as water jetting is a noisy procedure. Ensure that no other person is in the immediate vicinity whilst jetting is being carried out.	1	3	3
Noise	Hearing Loss, Impairment, Impaired communications which could lead to other problems	2	3	6	All equipment shall be maintained in a suitable working condition. All operatives shall wear appropriate ear protection when operating or working in close vicinity to plant and any other equipment that may present a noise level above 85 dBA. Task rotation shall be encouraged throughout the project. Noisy activities will not be	1	3	3

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ALUN GRIFFITHS LTD RECORD OF RISK ASSESSMENT

					permitted during any site quiet hours.			
Vibration	Vibration White Finger, Damage to Joints, Nerve Damage.	3	3	9	All operatives shall be made aware of the risks of vibration through using handheld angle grinders, etc. Operatives shall wear suitable safety gloves where cold weather conditions are prevalent. Task rotation shall be encouraged throughout the project. All tools should have a certificate of conformity, declaring the item operates below a 2.5 m/s ² acceleration value. No operative shall operate a hand-held grinder for more than 4 hours a day.	1	3	3
Use of Cold Chisel	Blows and cuts to the hands and other parts of the body. Eye injuries due to projection of fragments.	3	3	9	Use quality tools. Instruct personnel undertaking the works. Wear protective goggles and gloves. Periodically check the condition of the tools.	1	3	3
Temporary removal / reinstatement of hand/guard rails	Entrapment, falls, cuts, bruises	3	3	9	Avoid removing guard rails; If guard rails are removed, they are to be fully replaced as per the manufacture's safety instructions with all locking pins/clips replaced before the equipment is used. Don't use the equipment without the guard rails in place,	2	3	6

Further Information: Ensure work area is not congested and the operatives are trained and competent for operating machinery and certificates are retained in the site file.

Prepared by: N. CURTIS Signature: *NG Curtis* Date: 24/09/2019

Independently Reviewed/Authorised by: R.STANGER Signature: *R Stanger* Date: 24/09/2019

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I have read/been briefed and understand the Risk Assessment and agree to conform to the risk control measures. I agree that if there is a significant change in the workplace/environment, a hazard has not been identified or I think the control measures are inadequate I will notify my supervisor or line manager to review and amend this risk assessment. A copy of the Risk Assessment will be available during the work (for reference and inspection by a competent authority)

Name	Signature	Date	Name	Signature	Date

Further comments

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Details of Previous Revisions

Date of Revision	Previous Revision No	Comments
		ORIGINAL ISSUE

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COSHH Assessment



Doc Ref: CA05
Rev No:

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Product Identification (Refer to Section 1 MSDS)	
Product Name	Interplus 256 Aluminium Part A
Product Code	EPA343
Manufacturer	International Paints

Hazard Identification (Section 2 of Manufacturer's MSDS)		Yes	No
	Harmful/Irritant	✓	
	Flammable	✓	
	Toxic		X
	Respiratory Hazard	✓	
	Corrosive		X
	Danger to the Environment	✓	

Persons at Risk	Yes	No
Users of the product	✓	
Other workers		X
Visitors / Members of the public		X

First Aid Measures Description of first aid measures (Section 4 of manufacturers MSDS)	
Eye Contact	Over Exposure Symptoms – pain or irritation, watering or redness
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice	
Inhalation	Over Exposure Symptoms – headache, fatigue, dizziness, muscle weakness, unconsciousness
Remove to fresh air. Keep person warm and at rest. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.	
Skin Contact	Over Exposure Symptoms – irritation, redness
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised cleanser. DO NOT use solvents or thinners.	
Ingestion	Over Exposure Symptoms – No specific data
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.	

Accidental Release Measures (Section 6.2 of manufacturers MSDS)	
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Accidental Release Measures (Section 6.3 of manufacturers MSDS)	
Small Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Handling and Storage (Section 7 of the manufacturers MSDS)	
Safe Handling Protective Measures	Put on appropriate PPE (refer to Section 8 of this document). Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools.
Advice on General occupational hygiene	Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face and remove contaminated clothing and protective equipment before eating, drinking and smoking.
Safe Storage	Store in segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors.

COSHH Assessment



Doc Ref: CA05

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Rev No:

Exposure Controls/Personal Protection (Refer to Section 8 MSDS)		Yes	No	EN Standards / Refer to additional protection measures below where required
	Safety Gloves	✓		Rigger Gloves EN374 and barrier cream
	Protective Clothing	✓		Overalls EN11612 / EN531 Flame Retardant EN1149 Anti-Static (if required)
	Eye Protection	✓		Glasses or Goggles EN166
	Foot Protection	✓		Steel Toe Cap Boots EN345
	Respiratory protection		X	If required, refer to control measures within the risk assessment.

Body Protection – Static Discharges	When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		X
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product	✓	
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.		X

Individual Protection Measures, where required (Refer to Section 8.2 MSDS)		YES	NO
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.	✓	
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.	✓	
Skin/Hand Protection	Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms.	✓	
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	✓	

Additional Measures

This COSHH assessment refers to works being undertaken in an open well ventilated environment. If additional measures, for example respiratory equipment, are required due to changes in the environment please refer to the Risk Assessment for control measures.

Prepared By: *Michelle Marks*

Approved By: *Robert Stanger, Managing Director*

Dated: *15th November 2017*

COSHH Assessment



Doc Ref: CA06
Rev No:

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Product Identification (Refer to Section 1 MSDS)	
Product Name	Interplus 256 Part B
Product Code	EPA344
Manufacturer	International Paints

Hazard Identification (Section 2 of Manufacturer's MSDS)		Yes	No
	Harmful/Irritant	✓	
	Flammable	X	
	Toxic		X
	Respiratory Hazard		X
	Corrosive	✓	
	Danger to the Environment		X

Persons at Risk	Yes	No
Users of the product	✓	
Other workers		X
Visitors / Members of the public		X

First Aid Measures Description of first aid measures (Section 4 of manufacturers MSDS)	
Eye Contact	Over Exposure Signs/Symptoms – pain or irritation, watering or redness
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice	
Inhalation	Over Exposure Signs/Symptoms – headache, fatigue, dizziness, muscle weakness, unconsciousness
Remove to fresh air. Keep person warm and at rest. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.	
Skin Contact	Over Exposure Signs/Symptoms – irritation, redness
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised cleanser. DO NOT use solvents or thinners.	
Ingestion	Over Exposure Signs/Symptoms – Stomach pains
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.	

Accidental Release Measures (Section 6.2 of manufacturers MSDS)	
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Accidental Release Measures (Section 6.3 of manufacturers MSDS)	
Small Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Handling and Storage (Section 7 of the manufacturers MSDS)	
Safe Handling Protective Measures	Put on appropriate PPE (refer to Section 8 of this document). Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools.
Advice on General occupational hygiene	Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face and remove contaminated clothing and protective equipment before eating, drinking and smoking.
Safe Storage	Store in segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors.

COSHH Assessment



Doc Ref: CA06
Rev No:

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Exposure Controls/Personal Protection (Refer to Section 8 MSDS)		Yes	No	EN Standards / Refer to additional protection measures below where required
	Safety Gloves	✓		Rigger Gloves EN374 and barrier cream
	Protective Clothing	✓		Overalls EN11612 / EN531 Flame Retardant EN1149 Anti-Static (if required)
	Eye Protection	✓		Glasses or Goggles EN166
	Foot Protection	✓		Steel Toe Cap Boots EN345
	Respiratory protection		X	If required, refer to control measures within the risk assessment.

Body Protection – Static Discharges	When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		X
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product	✓	
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.		X

Individual Protection Measures, where required (Refer to Section 8.2 MSDS)		YES	NO
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.	✓	
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.	✓	
Skin/Hand Protection	Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms.	✓	
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	✓	

Additional Measures

This COSHH assessment refers to works being undertaken in an open well ventilated environment. If additional measures, for example respiratory equipment, are required due to changes in the environment please refer to the Risk Assessment for control measures.

Prepared By: *Michelle Marks*

Approved By: *Robert Stanger, Managing Director*

Dated: *15th November 2017*

COSHH Assessment



Doc Ref: CA01
Rev No:

Issue Date: 09/11/2017

Activity/Operation: Application of Coatings

Product Identification (Refer to Section 1 MSDS)	
Product Name	Interseal 670HS Aluminium Part A
Product Code	EGA230
Manufacturer	International Paints

Hazard Identification (Section 2 of Manufacturer's MSDS)		Yes	No
	Harmful/Irritant	✓	
	Flammable	✓	
	Toxic		X
	Respiratory Hazard		X
	Corrosive		X
	Danger to the Environment		X

Persons at Risk	Yes	No
Users of the product	✓	
Other workers		X
Visitors / Members of the public		X

First Aid Measures Description of first aid measures (Section 4 of manufacturers MSDS)	
Eye Contact	Over Exposure Symptoms – pain or irritation, watering or redness
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice	
Inhalation	Over Exposure Symptoms – headache, fatigue, dizziness, muscle weakness, unconsciousness
Remove to fresh air. Keep person warm and at rest. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.	
Skin Contact	Over Exposure Symptoms – irritation, redness
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised cleanser. DO NOT use solvents or thinners.	
Ingestion	Over Exposure Symptoms – No specific data
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.	

Accidental Release Measures (Section 6.2 of manufacturers MSDS)	
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Accidental Release Measures (Section 6.3 of manufacturers MSDS)	
Small Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Handling and Storage (Section 7 of the manufacturers MSDS)	
Safe Handling Protective Measures	Put on appropriate PPE (refer to Section 8 of this document). Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools.
Advice on General occupational hygiene	Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face and remove contaminated clothing and protective equipment before eating, drinking and smoking.
Safe Storage	Store in segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors.

COSHH Assessment



Doc Ref: CA01
Rev No:

Issue Date: 09/11/2017

Activity/Operation: Application of Coatings

Exposure Controls/Personal Protection (Refer to Section 8 MSDS)		Yes	No	EN Standards / Refer to additional protection measures below where required
	Safety Gloves	✓		EN374 standard protective gloves against chemicals. Nitrile recommended and barrier cream
	Protective Clothing	✓		Overalls to EN11612 standard. Flame Retardant (if required) EN1149 Anti-Static (if required)
	Eye Protection	✓		Glasses and/or Chemical Splash Goggles to EN166 Standard
	Foot Protection	✓		Steel Toe Cap Boots EN345
	Respiratory protection		X	If required, refer to control measures within the risk assessment.

Body Protection – Static Discharges	When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		X
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product	✓	
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.		X

Individual Protection Measures, where required (Refer to Section 8.2 MSDS)		YES	NO
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.	✓	
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.	✓	
Skin/Hand Protection	Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms.	✓	
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	✓	

Additional Measures

This COSHH assessment refers to works being undertaken in an open well ventilated environment. If additional measures, for example respiratory equipment, are required due to changes in the environment please refer to the Risk Assessment for control measures.

Prepared By: *Michelle Marks*

Approved By: *Robert Stanger, Managing Director*

Dated: *9th November 2017*

COSHH Assessment



Doc Ref: CA02
Rev No:

Issue Date: 09/11/2017

Activity/Operation: Application of Coatings

Product Identification (Refer to Section 1 MSDS)	
Product Name	Interseal 670HS Aluminium Part B
Product Code	EGA247
Manufacturer	International Paints

Hazard Identification (Section 2 of Manufacturer's MSDS)		Yes	No
	Harmful/Irritant	✓	
	Flammable	✓	
	Toxic		X
	Respiratory Hazard		X
	Corrosive		X
	Danger to the Environment		X

Persons at Risk	Yes	No
Users of the product	✓	
Other workers		X
Visitors / Members of the public		X

First Aid Measures Description of first aid measures (Section 4 of manufacturers MSDS)	
Eye Contact	Over Exposure Signs/Symptoms – pain or irritation, watering or redness
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice	
Inhalation	Over Exposure Signs/Symptoms – headache, fatigue, dizziness, muscle weakness, unconsciousness
Remove to fresh air. Keep person warm and at rest. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.	
Skin Contact	Over Exposure Signs/Symptoms – irritation, redness
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised cleanser. DO NOT use solvents or thinners.	
Ingestion	Over Exposure Signs/Symptoms – Stomach pains
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.	

Accidental Release Measures (Section 6.2 of manufacturers MSDS)	
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Accidental Release Measures (Section 6.3 of manufacturers MSDS)	
Small Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Handling and Storage (Section 7 of the manufacturers MSDS)	
Safe Handling Protective Measures	Put on appropriate PPE (refer to Section 8 of this document). Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools.
Advice on General occupational hygiene	Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face and remove contaminated clothing and protective equipment before eating, drinking and smoking.
Safe Storage	Store in segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors.

COSHH Assessment



Doc Ref: CA02
Rev No:

Issue Date: 09/11/2017

Activity/Operation: Application of Coatings

Exposure Controls/Personal Protection (Refer to Section 8 MSDS)		Yes	No	EN Standards / Refer to additional protection measures below where required
	Safety Gloves	✓		EN374 standard protective gloves against chemicals. Nitrile recommended and barrier cream
	Protective Clothing	✓		Overalls to EN11612 standard. Flame Retardant (if required) EN1149 Anti-Static (if required)
	Eye Protection	✓		Glasses and/or Chemical Splash Goggles to EN166 Standard
	Foot Protection	✓		Steel Toe Cap Boots EN345
	Respiratory protection		X	If required, refer to control measures within the risk assessment.

Body Protection – Static Discharges	When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		X
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product	✓	
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.		X

Individual Protection Measures, where required (Refer to Section 8.2 MSDS)		YES	NO
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.	✓	
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.	✓	
Skin/Hand Protection	Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms.	✓	
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	✓	

Additional Measures

This COSHH assessment refers to works being undertaken in an open well ventilated environment. If additional measures, for example respiratory equipment, are required due to changes in the environment please refer to the Risk Assessment for control measures.

Prepared By: *Michelle Marks*

Approved By: *Robert Stanger, Managing Director*

Dated: *9th November 2017*

COSHH Assessment



Doc Ref: CA03
Rev No:

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Product Identification (Refer to Section 1 MSDS)	
Product Name	Interthane 990 Part A
Product Code	PHZ820
Manufacturer	International Paints

Hazard Identification (Section 2 of Manufacturer's MSDS)		Yes	No
	Harmful/Irritant	✓	
	Flammable	✓	
	Toxic		X
	Respiratory Hazard		X
	Corrosive		X
	Danger to the Environment		X

Persons at Risk	Yes	No
Users of the product	✓	
Other workers		X
Visitors / Members of the public		X

First Aid Measures Description of first aid measures (Section 4 of manufacturers MSDS)	
Eye Contact	Over Exposure Symptoms – pain or irritation, watering or redness
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice	
Inhalation	Over Exposure Symptoms – headache, fatigue, dizziness, muscle weakness, unconsciousness
Remove to fresh air. Keep person warm and at rest. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.	
Skin Contact	Over Exposure Symptoms – irritation, redness
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised cleanser. DO NOT use solvents or thinners.	
Ingestion	Over Exposure Symptoms – No specific data
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.	

Accidental Release Measures (Section 6.2 of manufacturers MSDS)	
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Accidental Release Measures (Section 6.3 of manufacturers MSDS)	
Small Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Handling and Storage (Section 7 of the manufacturers MSDS)	
Safe Handling Protective Measures	Put on appropriate PPE (refer to Section 8 of this document). Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools.
Advice on General occupational hygiene	Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face and remove contaminated clothing and protective equipment before eating, drinking and smoking.
Safe Storage	Store in segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors.

COSHH Assessment



Doc Ref: CA03
Rev No:

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Exposure Controls/Personal Protection (Refer to Section 8 MSDS)		Yes	No	EN Standards / Refer to additional protection measures below where required
	Safety Gloves	✓		Rigger Gloves EN374 and barrier cream
	Protective Clothing	✓		Overalls EN11612 / EN531 Flame Retardant EN1149 Anti-Static (if required)
	Eye Protection	✓		Glasses or Goggles EN166
	Foot Protection	✓		Steel Toe Cap Boots EN345
	Respiratory protection		X	If required, refer to control measures within the risk assessment.

Body Protection – Static Discharges	When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		X
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product	✓	
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.		X

Individual Protection Measures, where required (Refer to Section 8.2 MSDS)		YES	NO
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.	✓	
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.	✓	
Skin/Hand Protection	Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms.	✓	
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	✓	

Additional Measures

This COSHH assessment refers to works being undertaken in an open well ventilated environment. If additional measures, for example respiratory equipment, are required due to changes in the environment please refer to the Risk Assessment for control measures.

Prepared By: *Michelle Marks*

Approved By: *Robert Stanger, Managing Director*

Dated: *15th November 2017*

COSHH Assessment



Doc Ref: CA04
Rev No:

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Product Identification (Refer to Section 1 MSDS)	
Product Name	Interthane 990 Part B
Product Code	PHA046
Manufacturer	International Paints

Hazard Identification (Section 2 of Manufacturer's MSDS)		Yes	No
	Harmful/Irritant	✓	
	Flammable	✓	
	Toxic		X
	Respiratory Hazard		X
	Corrosive		X
	Danger to the Environment	✓	

Persons at Risk	Yes	No
Users of the product	✓	
Other workers		X
Visitors / Members of the public		X

First Aid Measures Description of first aid measures (Section 4 of manufacturers MSDS)	
Eye Contact	Over Exposure Signs/Symptoms – pain or irritation, watering or redness
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice	
Inhalation	Over Exposure Signs/Symptoms – headache, fatigue, dizziness, muscle weakness, unconsciousness
Remove to fresh air. Keep person warm and at rest. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.	
Skin Contact	Over Exposure Signs/Symptoms – irritation, redness
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised cleanser. DO NOT use solvents or thinners.	
Ingestion	Over Exposure Signs/Symptoms – No specific data
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.	

Accidental Release Measures (Section 6.2 of manufacturers MSDS)	
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Accidental Release Measures (Section 6.3 of manufacturers MSDS)	
Small Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Handling and Storage (Section 7 of the manufacturers MSDS)	
Safe Handling Protective Measures	Put on appropriate PPE (refer to Section 8 of this document). Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools.
Advice on General occupational hygiene	Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face and remove contaminated clothing and protective equipment before eating, drinking and smoking.
Safe Storage	Store in segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors.

COSHH Assessment



Doc Ref: CA04

Issue Date: 15/11/2017

Activity/Operation: Application of Coatings

Rev No:

Exposure Controls/Personal Protection (Refer to Section 8 MSDS)		Yes	No	EN Standards / Refer to additional protection measures below where required
	Safety Gloves	✓		Rigger Gloves EN374 and barrier cream
	Protective Clothing	✓		Overalls EN11612 / EN531 Flame Retardant EN1149 Anti-Static (if required)
	Eye Protection	✓		Glasses or Goggles EN166
	Foot Protection	✓		Steel Toe Cap Boots EN345
	Respiratory protection		X	If required, refer to control measures within the risk assessment.

Individual Protection Measures, where required (Refer to Section 8.2 MSDS)		YES	NO
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.	✓	
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.	✓	
Skin/Hand Protection	Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms.	✓	
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	✓	

Body Protection – Static Discharges	When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.		X
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product	✓	
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended exposure duration 15 minutes organic vapour (Type A) and particulate filter organic vapour (Type AX) and particulate filter.		X

Additional Measures

This COSHH assessment refers to works being undertaken in an open well ventilated environment. If additional measures, for example respiratory equipment, are required due to changes in the environment please refer to the Risk Assessment for control measures.

Prepared By: *Michelle Marks*

Approved By: *Robert Stanger, Managing Director*

Dated: *15th November 2017*