
Structural Steelwork (Compass)

Contents

Compass
Chloe Moseley
chloe.moseley@compass-eng.co.uk
Whaley Road
Barugh
Barnsley
S75 1HT
01226 298388

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Scope of Works



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DESCRIPTION OF THE WORKS

The main structure is approximately 75 metres long and 55 meters wide in 10 bays of double span portal frame construction with internal office between gridlines A-J/1-11 with a height to underside of haunch of 12.1 metres and a roof slope of 5.3 and 2 degrees.

Supply and installation of metal decking also provided.

Certificates/Warranties/Guarantees



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Compass Engineering Limited
Whaley Road, Barugh, Barnsley, S75 1HT

Declaration of Conformity

No. CEL/CPD/FPCA001

Company Name: Compass Engineering Limited.

Address: Whaley Road, Barugh, Barnsley, S75 1HT.

Complies with the requirements of Annex ZA of BS EN 1090-1.

WFCS Certificate No. (BSEN 3834.2): 140079

CAESAS Certificate No. (BSEN 1090.2): 20140005

Description of Components: Structural Steelwork Construction Components and/or Kits for use in Building & Civil Engineering Works up to EXC 2 according to BS EN 1090.2 & A1-2011

Type: Execution Class II.

Notified Body: TWI Certification Limited

Notified Body ID: 4200

The performance of the product identified above is in conformity with the declared Performance identified in the table.

NAME: Scott Batty

Position: Production Director

Signature:

Date: 20-05-22



TWI Certification Ltd

Granta Park, Great Abington, Cambridge CB21 6AL, UK

Certificate of Conformity of the Factory Production Control

A UKAS accredited certification body No.2400-CPR-20140005

in compliance with the Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020 this certificate applies to the construction product(s)

Structural steel grades up to and including S355, for columns up to and including 25mm thickness and base plates up to and above 50mm

placed on the market under the name or trade mark of:

***Compass Engineering Ltd
Whaley Road
Barugh Green
Barnsley
Yorkshire
S75 1HT***

***and produced in the manufacturing plant(s)
Barugh Green***

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with the prescribed test plan and that the approved body No. 2400 TWI Certification Ltd has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard *EN 1090-1:2009+A1: 2011* under AVCP system 2+ and method of declaration Method 3a is applied and that the factory production control is assessed to be in conformity with the applicable requirements. This certificate was first issued on 27 May 2014 and will remain valid until 07 May 2026 as long as neither the harmonised standard, the construction products, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved factory production control certification body.

First Issue Date: 27/05/2014
Current Issue Date: 10/05/2023
Date of Expiry: 07/05/2026


Emma Freckingham
Head of Company Certification

The validity of the certificate may be confirmed at the web address: www.twicertification.com



TWI Certification Ltd

Granta Park, Great Abington. Cambridge CB21 6AL, UK

Schedule for 2400-CPR-20140005

This Schedule is an Annex to the Certificate of conformity 2+ of the UK Factory Production Control (FPC) 2400-CPR-20140005 in compliance with EN1090-1:2009 Annex B – Table B.1. It is hereby stated that

Compass Engineering Ltd

Whaley Road

Barugh Green

Bransley

Yorkshire

S75 1HT

Covers Execution Class EXC 2 under

EN 1090-1 & EN 1090-2 with the following welding processes according to EN ISO 4063:

<i>Welding process (ISO 4063)</i>	<i>Parent material groups (CEN ISO/TR 15608)</i>	<i>Thickness range butt welds</i>	<i>Thickness range fillet welds</i>
MAG (135)	Group 1	N/A	5mm and above

<i>Cutting Methods</i>	<i>Material</i>	<i>Thickness Range</i>
Oxy-Fuel	Group 1.2	10mm – 25mm

Under the responsibility of the Welding Coordinator:

Mr Fred Haswksworth EngTech TechWeldI, CWIP 3.2.1 Senior Welding Inspector, for EXC2

Mr Scott Batty, NVQ Level II Engineering Manufacture, City & Guilds Fabrication & Welding Part 2, for EXC2

(Quality according to EN ISO 3834 – 2, welding coordination according to EN ISO 14731). This is the welding certificate referred to in EN 1090-1, Annex B, Table B.1).

First Issue Date: 27/05/2014
Current Issue Date: 10/05/2023
Date of Expiry: 07/05/2026


Emma Freckingham
Head of Company Certification

The validity of the certificate may be confirmed at the web address: www.twicertification.com

EUROPEAN FEDERATION FOR WELDING, JOINING AND CUTTING



Having satisfied the requirements of the EWF Manufacturer Certification System for the following Scheme(s):

Welding Quality Management Scheme EN ISO 3834 Part 2 (Doc. EWF 636 – Part 1)

Company: Compass Engineering Ltd

The Unit: N/A

Located in: Barnsley

is certified for the product(s):

Structural steel grades up to and including S355, for columns up to and including 25mm thickness and base plates up to and above 50mm

with the scope of work stated in the attached Schedule

Certificate number and revision status: 140079/GB – Rev. 1

First Issue date: 27/05/2014

Current issue date: 03/05/2019

Date of expiry: 02/05/2024

ANBCC Governing Board Representative
Julio Tolaini

Scheme Manager
Chris Eady

TWI Certification Ltd, United Kingdom



This certificate is subject to the rules established by EWF for the certification of Companies

EWF Manufacturer Certification System

SCHEDULE

Schedule Revision Date 03/05/2019 Rev. 2

Related to Certificate Number 140079/GB Rev. 1

Product/Construction standard(s)

EN 1090-2 EXC 2 / N555-5

Alternative Standard(s) (refer to EN ISO 3834-5, clause 2.1 b)

Welding Process(es) (EN ISO 4063)

MAG (135)

Parent Material Group(s) (CEN ISO/TR 15608)

Group 1

Responsible Welding Coordination Personnel

Scheme	Name (Qualification)	Job Title	Technical knowledge
ISO 3834	F Hawksworth EngTech TechWeldI, CSWIP 3.2.1 Senior Welding Inspector	RWC	Comprehensive
	S Batty, C&G Fab & Weld P2, NVQ L2 Eng Manuf	RWC	Basic

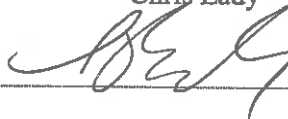
ANBCC Governing Board Representative

Julio Tolaini



Scheme Manager

Chris Eady





INTERNATIONAL INSTITUTE OF WELDING

**Having satisfied the requirements of the
IIW Manufacturer Certification Scheme
according to ISO 3834**

Company: Compass Engineering Ltd

The Unit: N/A

Located in: Barnsley

is certified in accordance with

BS EN ISO 3834 Part 2

For the product(s): Structural steel grades up to and including S355, for columns up to and including 25mm thickness and base plates up to and above 50mm

with the scope of work stated in the attached Schedule

Certificate number and revision status: 140079/GB – Rev. 1

First issue date: 27/05/2014

Current issue date: 03/05/2019

Date of expiry: 02/05/2024

ANBCC Governing Board Representative

Julio Tolaini

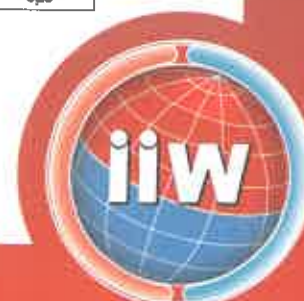
Scheme Manager

Chris Eady

TWI Certification Ltd, United Kingdom



This Certificate is subject to the rules established by IIW
for the certification of Companies





IIW Manufacturer Certification Scheme



SCHEDULE

Schedule Revision Date 03/05/2019 Rev. 2

Related to Certificate Number 140079/GB Rev. 1

Product/Construction standard(s)

EN 1090-2 EXC 2 / NSSS-5

Alternative Standard(s) (refer to ISO 3834-5, clause 2.1 b)

Welding Process(es) (ISO 4063)

MAG (135)

Parent Material Group(s) (ISO/TR 15608)

Group 1

Responsible Welding Coordination Personnel

Name (Qualification)	Job Title	Technical knowledge
F Hawksworth EngTech TechWeldI, CSWIP 3.2.1 Senior Welding Inspector	RWC	Comprehensive
S Batty C&G Fab & Weld P2, NVQ L2 Eng Manuf	RWC	Basic

ANBCC Governing Board Representative
Julio Tolaini

Scheme Manager
Chris Eady



The standards and documents referred in the certificate and
schedule are those valid at the time of certification





TWI Certification Ltd

Welding Fabricator Certification Scheme

Registration Number 140079/GB Rev 1

This is to Certify that

Compass Engineering Ltd

*has been assessed in accordance with the
Rules of the scheme in respect of their control
of welding operations involved in the manufacture of:*

***Structural steel grades up to and including S355, for
columns up to and including 25mm thickness and base
plates up to and above 50mm***

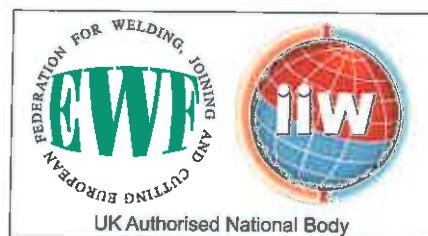
as shown on the attached Schedule

***The Company's Welding Management System
complies with ISO 3834 Part 2 and EWF/IIW requirements***

Full details are held on the TWI register of Certified Companies

Chairman
Certification Management Board

Scheme Manager



Schedule

Compass Engineering Ltd
Whaley Road
Barugh Green
Barnsley
Yorkshire
S75 1HT

Registration Number 140079/GB
Issue 2
Valid: 3 May 2019 to 2 May 2024
(subject to satisfactory periodic surveillance)

Product range:

Structural steel grades up to and including S355, for columns up to and including 25mm thickness and base plates up to and above 50mm

Materials

Group 1 Carbon steel

Chairman
Certification Management Board

Scheme Manager

Cleaning and Maintenance Regimes



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Cleaning and Maintenance Regimes

This maintenance schedule for **P23012 Wingates Plot 3** to be followed from PC date **01/07/2024** year on year to ensure all plant and equipment is kept within warranty.

Please keep a log of these inspections so that records can be checked should an issue arise.

Code; ✓ Blue – Recommended ✓ Red – To Maintain Warranty

Item	Daily	Weekly	Monthly	3 Months	6 Months	9 Months	Annually	5 Yearly	Certificates	Regime
Intumescent paint coatings								✓		Inspect for integrity, signs of damage or deterioration.
Corrosive protection Paint coatings								✓		Inspect for integrity, signs of damage or deterioration.
Bolt connections								✓		Visual inspection of random bolts, checking for tightness and condition of the protective treatment.
Bracings							✓			Visual inspection, then see Bolt Connections above on a 5-year period.

Data Sheets



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SAFETY DATA SHEET

ViterPrime 039

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name ViterPrime 039

Product number 6039/-

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Paint.

1.3. Details of the supplier of the safety data sheet

Supplier

Axalta Coating Systems West Bromwich UK Ltd
Kelvin Way
West Bromwich
West Midlands B70 7JZ
t: +44 (0)121 525 5665
f: +44 (0)121 553 2787
info-westbromwich@axaltacs.com

1.4. Emergency telephone number

Emergency telephone +44 121 524 2245 (not 24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208 STOT RE 2 - H373

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains 2-butanone oxime. May produce an allergic reaction.

ViterPrime 039

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

P260 Do not breathe vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

xylene			10-30%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315			

trizinc bis(orthophosphate)			1-5%
CAS number: 7779-90-0	EC number: 231-944-3	REACH registration number: 01-2119485044-40-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			

ViterPrime 039

ethylbenzene			1-5%
CAS number: 100-41-4	EC number: 202-849-4	REACH registration number: 01-2119489370-35-XXXX	
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412			
isopropanol			<1%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			
DE-AROMATISED KEROSENE			<1%
CAS number: 64742-48-9	EC number: 918-481-9	REACH registration number: 01-2119457273-39-XXXX	
Classification Asp. Tox. 1 - H304			
2-butanone oxime			<1%
CAS number: 96-29-7	EC number: 202-496-6	REACH registration number: 01-2119539477-28-XXXX	
Classification Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351			
Dipropylene glycol monomethyl ether			<1%
CAS number: 34590-94-8	EC number: 252-104-2	REACH registration number: 01-2119450011-60-XXXX	
Classification Not Classified			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

ViterPrime 039

General information	If in doubt, get medical attention promptly. Never give anything by mouth to an unconscious person.
Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration.
Ingestion	Get medical attention immediately. Keep affected person warm and at rest. Do not induce vomiting.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Do not use organic solvents.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause respiratory irritation. Prolonged or repeated exposure may cause the following adverse effects: Coughing. May cause nausea, headache, dizziness and intoxication.
Ingestion	Pneumonia may be the result if vomited material containing solvents reaches the lungs. May be fatal if swallowed and enters airways. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause stomach pain or vomiting.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation. Prolonged or repeated exposure may cause the following adverse effects: Pain or irritation. Profuse watering of the eyes. Redness.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is flammable. Fire-water run-off in sewers may create fire or explosion hazard. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Control run-off water by containing and keeping it out of sewers and watercourses.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Acrid smoke or fumes. Metal oxide(s). Oxides of nitrogen. Halogenated hydrocarbons. Oxides of phosphorus.

5.3. Advice for firefighters

Protective actions during firefighting	In case of fire: Evacuate area. No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
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ViterPrime 039

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk into spilled material. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not breathe gas, fume, vapours or spray. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Use protective equipment appropriate for surrounding materials.

For emergency responders Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Small Spillages: Stop leak if safe to do so. Move containers from spillage area. Absorb spillage with non-combustible, absorbent material. Place waste in labelled, sealed containers. Large Spillages: Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Move containers from spillage area. No smoking, sparks, flames or other sources of ignition near spillage. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste via a licensed waste disposal contractor. The contaminated absorbent may pose the same hazard as the spilled material.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Note: The information in this section contains generic advice and guidance.

Usage precautions For professional users only. Eliminate all sources of ignition. Use only in well-ventilated areas. Wear protective clothing as described in Section 8 of this safety data sheet. Earth container and transfer equipment to eliminate sparks from static electricity. For the greatest protection, clothing should include anti-static overalls, boots and gloves. Use only non-sparking tools. Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 5°C and 25°C. Store in accordance with national regulations. Store in tightly-closed, original container. Avoid contact with oxidising agents. Avoid contact with acids and alkalis. Read label before use. Avoid exposure to high temperatures or direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly sealed when not in use.

ViterPrime 039

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

xylene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

ethylbenzene

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

Sk

isopropanol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

DE-AROMATISED KEROSENE

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

2-butanone oxime

Long-term exposure limit (8-hour TWA): 10 ppm

Dipropylene glycol monomethyl ether

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

xylene (CAS: 1330-20-7)

DNEL

Workers - Inhalation; Long term systemic effects: 77 mg/m³

Workers - Inhalation; Short term systemic effects: 289 mg/m³

Workers - Inhalation; Short term local effects: 289 mg/m³

PNEC

- Fresh water; 0.327 mg/l

- Marine water; 0.327 mg/l

- Intermittent release; 0.327 mg/l

- STP; 6.58 mg/l

- Sediment (Freshwater); 12.46 mg/kg

- Sediment (Marinewater); 12.46 mg/kg

- Soil; 2.31 mg/kg

trizinc bis(orthophosphate) (CAS: 7779-90-0)

DNEL

Workers - Inhalation; Long term systemic effects: 5 mg/m³

Workers - Dermal; Long term systemic effects: 83 mg/kg/day

ViterPrime 039**PNEC**

- Fresh water; 20.6 µg/l
- Marine water; 6.1 µg/l
- STP; 52 µg/l
- Sediment (Freshwater); 117.8 mg/kg dwt
- Sediment (Marinewater); 56.5 mg/kg dwt
- Soil; 35.6 mg/kg dwt

ethylbenzene (CAS: 100-41-4)**DNEL**

- Workers - Inhalation; Long term systemic effects: 77 mg/m³
Workers - Inhalation; Short term local effects: 293 mg/m³
Workers - Dermal; Long term systemic effects: 180 mg/kg/day

isopropanol (CAS: 67-63-0)**DNEL**

- Industry - Dermal; : 888 mg/kg/day
Industry - Inhalation; : 500 mg/m³

PNEC

- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Sediment; 552 mg/kg
- Soil; 28 mg/kg

2-butanone oxime (CAS: 96-29-7)**DNEL**

- Workers - Inhalation; Long term systemic effects: 9 mg/m³
Workers - Inhalation; Long term local effects: 3.33 mg/m³
Workers - Dermal; Long term systemic effects: 1.3 mg/kg/day
- Dermal; Short term systemic effects: 2.5 mg/kg/day

PNEC

- Fresh water; 0.256 mg/l
- Intermittent release; 0.118 mg/l
- STP; 177 mg/l

zinc oxide (CAS: 1314-13-2)**DNEL**

- Workers - Inhalation; Long term systemic effects: 5 mg/m³
Workers - Dermal; Long term systemic effects: 87 mg/kg/day

PNEC

- Fresh water; 20.6 µg/l
- Marine water; 6.1 µg/l
- Sediment (Freshwater); 117 mg/kg dwt
- Sediment (Marinewater); 56.5 mg/kg dwt
- STP; 52 µg/l
- Soil; 35.6 mg/kg dwt

COBALT BIS(2-ETHYLHEXANOATE) (CAS: 136-52-7)**DNEL**

- Workers - Inhalation; Long term local effects: 235.1 µg/m³
General population - Inhalation; Long term local effects: 37 µg/m³
General population - Oral; Long term systemic effects: 55.8 mg/kg/day

ViterPrime 039

PNEC

- Fresh water; 0.6 µg/l
- Marine water; 2.36 µg/l
- STP; 0.37 mg/l
- Sediment (Freshwater); 9.5 mg/kg dwt
- Sediment (Marinewater); 9.5 mg/kg dwt
- Soil; 10.9 mg/kg dwt

Dipropylene glycol monomethyl ether (CAS: 34590-94-8)

DNEL

Industry - Dermal; Long term : 65 mg/kg/day
Industry - Inhalation; Long term : 310 mg/m³

PNEC

- Fresh water; 19 mg/l
- Marine water; 1.9 mg/l
- STP; 4168 mg/l
- Sediment (Freshwater); 70.2 mg/kg
- Sediment (Marinewater); 7.02 mg/kg
- Soil; 2.74 mg/kg
- Intermittent release; 19 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Use explosion-proof ventilating equipment.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. For the greatest protection, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for information on material and design requirements and test methods.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Remove contaminated clothing and protective equipment before entering eating areas. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.

ViterPrime 039

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Red-brown.
Odour	Characteristic.
Flash point	Between 21 and 32C
Vapour density	Heavier than air.
Solubility(ies)	Immiscible with water.
Viscosity	Kinematic viscosity > 20.5 mm ² /s.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition. Avoid the accumulation of vapours in low or confined areas.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 3,609.92

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 36.1

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SECTION 12: Ecological Information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.
Disposal methods	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains.
Waste class	08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (ADN)	PAINT

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

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Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Health and environmental listings	None of the ingredients are listed.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet	ATE = Acute Toxicity Estimate
	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
	DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
Revision date	05/03/2018
Revision	3
Supersedes date	05/03/2018
SDS number	5150
Hazard statements in full	EUH208 Contains 2-butanone oxime. May produce an allergic reaction. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Description	QD High Solids Zinc Phosphate Primer/Primer-Finish
Mix Ratio	Single Pack
Shelf life	1 Year
EU Dir 2	

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

ViterPrime 039 HS Primer/Finish

Product Description	A fast drying, high build alkyd zinc phosphate primer, for airless spray in-shop application to blast cleaned structural steelwork.				
Features & Use	<ul style="list-style-type: none">For use as a primer or primer/finish for structural steelworkFormulated to meet the requirements of the SED solvent reduction schemeExcellent build properties and hold-up on edgesCan be overcoated with ViterThane PLV and PLS two pack polyurethane finishesCan be used as a base coat for most thin film intumescent coatings				
Approvals/ Certification	Please consult Axalta Coating Systems				
Finish	Matt				
Volume Solids	62 ± 2% (may vary with colour)				
VOC Content	408 ± 20 g/litre (varies considerably with colour)				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Minimum	75 µm	121 µm	8.3 m²/litre	
	Maximum	150 µm	242 µm	4.1 m²/litre	
	Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated				
Drying Times	Applied to 75 microns DFT		+10°C	+23°C	+35°C
	Dust Free		40 min	15 min	10 min
	Hard Dry		4 hr	3 hr	1½ hr
	Overcoating	Minimum	See Product Notes		
		Maximum	Indefinite if surface is clean and sound		
	Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation				
Colours	Red Oxide (6039 001) Caspian Grey (6039 004) BS 00A09 White (6039 002) Other colours subject to batch requirements				
Product Code	6039				
SG	1.58 kg/ltr (may vary with colour)				
Storage Conditions	Store in dry, cool conditions and protect from frost				
Shelf Life	Minimum 12 months if stored as above in unopened containers				
Flash Point	23-60°C				

ViterPrime 039 HS Primer/Finish

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Surface Preparation	<ul style="list-style-type: none"> All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux or other contamination. Where necessary, remove weld spatter and grind smooth all sharp edges and weld seams Blast clean to Sa2½ (ISO 8501-1:2007), surface profile 50-75 microns 				
Mixing	Must be mixed thoroughly by using a mechanical agitator before use. Agitate periodically to ensure paint remains homogeneous.				
Thinner	1006 Thinner Equipment Cleaner 1006 Thinner				
Application Conditions	Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point. Paint temperature should ideally be at a minimum of 15°C.				
Application Methods	Method	Airless Spray	Conventional Spray	Brush	Roller
		Yes	No	Yes	Yes
	<ul style="list-style-type: none"> Airless Spray: Output fluid pressure at tip 2500 psi minimum, Tip Size 17-19 thou (0.43-0.48 mm) Thinning of the coating is not recommended as this will reduce the build qualities Application by brush/roller will result in a reduced film thickness and is recommended only for small areas of touch up/remedial work 				
Product Notes	<ul style="list-style-type: none"> May be overcoated with itself or other products from the ViterLac, ViterChlor or ViterThane range When the primer has been applied to 75 microns DFT, allow a minimum of 4 hours at 23°C before overcoating with ViterLac intermediates/finishes or ViterThane PLS/PLV. Allow longer intervals if applying at lower temperatures and higher film builds In common with most alkyd primers, this product is not recommended for extended exterior exposure, exposure in aggressive or coastal locations, or for immersion. Epoxy primers are preferred for these conditions, please consult Axalta Coating Systems for advice 				
Health & Safety	Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.				

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. This product is for professional use only.