

Zone Jotun SteelMaster 1200 HPE Epoxy based intumescent coating.

Product Technical Statement: 113761



Designed to provide up to 180 minutes FRR on structural steel. Achieves BS476 Part 20/21.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Zone Jotun confirms that this minimum level of assurance has been met or exceeded by the following:

Warrington Fire

[Certifire Certificate of Approval - CF 5857](#)



The following information has been provided by Zone Jotun demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

SteelMaster 1200HPE is a 100% solids high-performance epoxy intumescent protective product for greater levels of fire performance with the added protection and robust properties to withstand a wider range of elements, whether that be extreme weather or impact protection.

Key features

- Solvent free epoxy fire protection
- Designed for off-site application
- Fast constructability
- High impact protection
- High weather resistance

The formulation is a high-solid, two-pack intumescent, giving a quality finish when applied in accordance with Jotun's guidance. Hold up has been expertly balanced against sag resistance, ensuring a uniform finish. Formulation also allows for fast curing, meaning coats can be applied in a single shift, so turnaround times and constructability is dramatically increased. The coating will provide a 10% faster application process than any other similar shop-applied fire protection epoxy on the market. It can also be applied on-site with suitable single leg application equipment.

Provides a durable coating that can be applied to up to a ISO12944.2 C5 environment without a topcoat, and in internal environments up to C3 without a primer.

National Approved Applicator network ensures QA standards are maintained.

Certificates and Approvals

- Meets the requirements of BS476 Part 20/21
- Tested in accordance to BREEAM®
- Tested in accordance to LEED®

[Declaration of Performance](#)

[Zone Website - Steelmaster 1200HPE](#)

Scope of use

Suitable for interior and exterior use on structural steel in accordance with AS/NZS 2312.1 & 2. Specifically designed for off-site application of structural steel exposed for use in internal or external environments up to corrosivity category C5 (ISO 12944.2), with or without a compatible topcoat. The product can also be applied on site with suitable single leg application equipment.

Approved Applicator product. Requires suitable and compatible primer over properly prepared steel, applied in suitable conditions strictly following application instructions.

Contact Zone for tested / approved / compatible systems.

Required film thicknesses to achieve FRR's will be calculated by Zone / Jotun.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

masterspec partner

Company Contact Details

zone™
architectural products

Company: Zone Architectural Products

Physical Address: 41 Church St
Onehunga
AUCKLAND

Postal Address: PO Box 99836
Newmarket
AUCKLAND

Telephone: 64 09 6231699

Email: info@zone.net.nz

Website: www.zone.net.nz

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- **Clause B2 Durability:** Performance B2.3.1, B2.3.1(b), B2.3.1(c), B2.3.2, B2.3.2(b)
Tested to ISO 12944.2: 2017 the system can provide durability up to 25 years in accordance with AS/NZS 2312.4.
- **Clause C6 Structural stability:** Performance C6.2, C6.2(a), C6.3, C6.4
Tested to BS 476 part 20/21: Certifire CF 5857

Notes

When specified, applied and maintained as designed and documented, and as described in Fire Protection Association (FPANZ) Code of Practice for the Specification and Application of Intumescent Coatings for the Fire Protection of Structural Steel. CoP-03 Version 1, Issued 01/10/20, Jotun SteelMaster 1200 HPE will achieve the above Technical Requirements of the New Zealand Building Code (NZBC).

Durability to B 2.3.1(b) & B 2.3.1(c) is determined by the overall coating system and specification - contact Zone for assistance if required.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

In the case of fire, Jotun SteelMaster 1200HPE intumescent coating will maintain the structural integrity of the steel to which it is applied for the rated period in accordance with BS476 Part 20/21. Designed with an approved primer and protected with an approved topcoat the system can provide durability up to 25 years in accordance with AS/NZS 2312.4.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



Warrington Fire

[Certifire Certificate of Approval - CF 5857](#)

Product Criteria

Design requirements

Specially designed as a reactive fire protection system for steel constructions. Designed to protect up to 180 minutes on a wide range of I section beams and columns. Fire tested and approved to BS 476 part 20/21. Suitable for structural steel exposed to internal environments. For a detailed coating specification please contact your local Zone/Jotun representative.

Installation requirements

The required quality of surface preparation can vary depending on the area of use, expected durability and if applicable, project specification. Metal surface preparation refers to requirements for preparation prior to application of approved primers.

This product must always be applied over a primer approved by Jotun. Only approved and qualified primers can be used in conjunction with this product.

Intumescent coatings require a greater degree of environmental monitoring than conventional coatings. They are moisture sensitive and must be protected against high humidity, rain and consequent water ponding both during application, transportation or during storage prior to being erected at site.

Refer to Application guidelines for more in depth documentation.

Maintenance requirements

The coating system shall be maintained by Owner who needs to ensure the coating systems are inspected at regular intervals not exceeding 18 months and an inspection report is made. Any damage or coating imperfections detailed in the report and not covered under the provisions of a Jotun Guarantee shall be repaired as quickly as reasonably practicable but in no event later than 6 months after the date of inspection. These repairs shall be carried out in accordance with Guarantor's recommendations using Guarantor's products. Guarantor shall upon request receive copies of Owner's inspection reports.

Warrantees

Jotun provides a Product Performance Guarantee for specified systems when applied and maintained in accordance with the manufacturer guidelines.

Company Product Information

Environmental

Certificates and Approvals

- Meets the requirements of BS476Part 20/21
- Tested in accordance to BREEAM®
- Tested in accordance to LEED®
- Approved for UL 263 Exterior Use and UL 2431 Classification Category I-A

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EPD available at www.epd-norge.no

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Proline Protective Coatings

Company Website:

<https://prolinepc.nz/>

Contact Number/s:

0508568867

Importer

Legal Trading Name:

Zone Architectural Products

Business Email:

info@zone.net.nz

Company Website:

www.zone.net.nz

Contact Number/s:

+64 09 -6231699

0800 508800

Product Identifier

JOTUN STEELMASTER 1200HPE

Warnings

This product has no warnings associated with it.



Date last validated: **17 June 2024**



Date last updated: **17 June 2024**

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