

Zone Jotun SteelMaster 120SB solvent based intumescent coating.

Product Technical Statement: 113670



Designed to provide up to 120 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 845](#)



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

A high-solid, single pack, solvent based intumescent providing up to 120 minutes FRR for architectural steel.

High solids means it can be applied across a wider range of environments not only making application a faster and easier process but allowing the design of steel structures to be a prominent feature of the architectural design.

Withstands up to 6 months weathering without a top-coat during construction.

Provides a durable coating that can be applied to up to a ISO12944 C4 environment with a topcoat.

Easy airless spray application reduces application time and site costs.

National Approved Applicator network ensures QA standards are maintained.

Scope of use

Suitable for interior and limited exterior use without top-coat.

Specifically designed for structural steel exposed to external environments up to corrosivity category C4 (ISO 12944-2), with a compatible topcoat.

Approved Applicator product.

Requires suitable and compatible primer over properly prepared steel, applied in suitable conditions strictly following application instructions. Suitable and compatible protective coating systems required in most exterior environments. 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:

- **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: 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 845

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 120SB will achieve the above Technical Requirements of the New Zealand Building Code (NZBC).

Evidence

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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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 120SB 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 845](#)

Product Criteria

Design requirements

Specially designed as a reactive fire protection system for steel constructions. Designed to protect up to 120 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 or external 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.

Where a topcoat is specified, application must occur as soon as the final coat of this product is fully through dry. During construction, exposed SteelMaster must be protected from weather with a topcoat.

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

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

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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 120SB

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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