

PART 1 - GENERAL

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| <u>1.1 REFERENCES</u> | .1 | Health Canada/Workplace Hazardous Materials Information System (WHMIS)
.1 Material Safety Data Sheets (MSDS). |
| | .2 | Underwriter's Laboratories of Canada (ULC)
.1 CAN-ULC-S101-04, Standard Methods of fire Endurance Tests of Building Construction and Materials.
.2 CAN-ULC-S102-03, Method of Test for Surface Burning Characteristics of Building Materials and Assemblies. |
| <u>1.2 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Provide submittals in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | Product Data:
.1 Submit manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations. |
| <u>1.3 QUALITY ASSURANCE</u> | .1 | Qualifications:
.1 Installer: specializing in sprayed-on fireproofing approved by manufacturer. |
| <u>1.4 DELIVERY, STORAGE AND HANDLING</u> | .1 | Packing, shipping, handling and unloading:
.1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
.2 Deliver, store and handle materials in accordance with manufacturer's written instructions.
.3 Deliver packaged materials in original unopened containers, marked to indicate brand name, manufacturer, ULC markings. |
| | .2 | Storage and Protection:
.1 Store materials indoors in dry location. |
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1.4 DELIVERY, STORAGE AND HANDLING <u>(Cont'd)</u>	.2	(Cont'd) .2 Store and protect materials from exposure to harmful weather conditions and at temperature and humidity conditions recommended by manufacturer. .3 Damaged or opened containers will be rejected. .4 Packaging to indicate shelf-life and materials to be applied prior to expiration of shelf-life. .5 Provide temporary enclosures to prevent spray from contaminating air beyond application area. .6 Protect adjacent surfaces and equipment from damage by overspray, fall-out, and dusting of fireproofing materials.
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1.5 AMBIENT CONDITIONS <u></u>	.1	At temperatures less than 5 degrees C, ensure that 5 degrees C air and substrate temperature is maintained during and for 24 hours after application. Ensure that natural ventilation to properly dry the fireproofing during and subsequent to its application is provided. In enclosed areas lacking openings for natural ventilation, ensure that interior air is circulated and exhausted to the outside.
	.2	Maintain relative humidity within limits recommended fireproofing manufacturer.
	.3	Ensure that natural ventilation to properly dry fireproofing during and subsequent to its application is provided.

PART 2 - PRODUCTS

2.1 MATERIALS <u></u>	.1	Applied fireproofing material to be DC315 by International Fireproof Technology Inc. Contractor to ensure spray foam insulation is compatible with DC315. Coordinate with spray foam insulation contractor.
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PART 3 - EXECUTION

<u>3.1 MANUFACTURER'S INSTRUCTIONS</u>	.1	Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
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<u>3.2 PREPARATION</u>	.1	Substrate: free of material, which would impair bond.
	.2	Verify that painted substrates are compatible and have suitable bonding characteristics to receive fireproofing.
	.3	Remove incompatible materials.
	.4	Ensure that items required to penetrate fireproofing are placed before installation of fireproofing.
	.5	Ensure that ducts, piping, equipment, or other items which would interfere with application of fireproofing are not positioned until fireproofing work is completed.

<u>3.3 APPLICATION</u>	.1	Apply fireproofing over all new spray applied insulation as indicated on the drawings.
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<u>3.4 PATCHING</u>	.1	Patch damage to fireproofing caused by testing or by other trades before fireproofing is concealed, or if exposed, before final inspection.
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<u>3.5 CLEANING</u>	.1	Proceed in accordance with Section 01 74 11 - Cleaning.
	.2	Clean surfaces not indicated to receive fireproofing of sprayed material within 24 hours period after application.

3.5 CLEANING (Cont'd)	.3	On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.
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