

PART 1 - GENERAL

1.0 RELATED WORK

- .1 General Requirements Division 1
- .2 Sheet Vapour Retarder Section 07 26 00

1.1 REFERENCES

- .1 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-51.23- 92, Spray-Applied Rigid Polyurethane Cellular Plastic Thermal Insulation.
 - .2 CAN/CGSB-51.39- 92, Spray Application of Rigid Polyurethane Cellular Plastic Thermal Insulation for Building Construction.
- .2 Underwriters Laboratories of Canada, (ULC)
 - .1 CAN/ULC-S101- 1989, Fire Endurance Tests of Building Construction and Materials.
 - .2 CAN/ULC-S102- 1988, Surface Burning Characteristics of Building Materials and Assemblies.

1.2 TEST REPORTS

- .1 Submit test reports, verifying qualities of insulation meet or exceed requirements of this specification, in accordance with Section 01 33 00.
- .2 Submit test reports in accordance with CAN/ULC-S101 for fire endurance and CAN/ULC-S102 for surface burning characteristics.

1.3 PROTECTION

- .1 Ventilate area to receive insulation by introducing fresh air and exhausting air continuously during and 24 hour after application to maintain non-toxic, unpolluted, safe working conditions.
- .2 Provide temporary enclosures to prevent spray and noxious vapours from contaminating air beyond application area.
- .3 Protect workers as recommended by insulation manufacturer.
- .4 Protect adjacent surfaces and equipment from damage by overspray, fall-out, and dusting of insulation materials.

- .5 Dispose of waste foam daily in location designated by Department Representative and decontaminate empty drums in accordance with foam manufacturer's instructions.

1.4 ENVIRONMENTAL
REQUIREMENTS

- .1 Apply insulation only when surfaces and ambient temperatures are within manufacturers' prescribed limits.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Insulation: spray polyurethane to CAN/CGSB-51.23, Class 1.
- .2 Primers: in accordance with manufacturer's recommendations for surface conditions.

PART 3 - EXECUTION

3.1 APPLICATION

- .1 Apply insulation to clean surfaces in accordance with CAN/CGSB-51.39 and manufacturer's printed instructions. Use primer where recommended by manufacturer.
- .2 Apply sprayed foam insulation in thickness to fill space between building substrate and door frames, louvers, frames/mechanical/electrical service openings and all other protrusions through building envelope.

END OF SECTION