

For Further Information

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The National Application Standard for 2 lb.CC MD Sprayfoam

high performance
insulation and
**air, vapour,
radon, and
water resistive
barriers**

for safe, efficient,
comfortable and
durable buildings

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REFERENCE GUIDE

National Application Standard Requirements of 2 lb. Closed Cell Medium Density SPF CAN/ULC S705.2-05

The **National Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density, Application-Specification CAN/ULC S705.2** lists a number of requirements for on-site installation.

Look for conformance with this standard through:

- Material containers labeled “CAN/ULC S705.1 compliant or CCMC Listed.
- Copy of the Contractor's License and Accreditation by CUFCA or other approved third party Certification Organization (CO).
- Photo ID Card for the Installer.
- Daily work records listing the test results of the mandatory density and adhesion tests
- A job site Label.
- All installation procedures meet the standard.

Licensed Installers must also meet serval requirements:

- They must be properly trained, certified and licensed by a Certification Organization (CO) that is accredited to ISO-17024 for personnel certification.
- The Certification Organization must provide installers with a **Fied Quality Assurance Program** that is in compliance with the CAN/UL S718-13 standard for field quality assurance program management. and includes a third party inspection as required under the FQAP.
- Certified Installers carry a photo-identification card with them on all job sites for verification purposes.
- Installers must conduct on-site quality control testing on a daily basis.
- A Daily Work Record must be made available to both the CO AND the AHJ or Building Officials.



National Application Standard (CAN/ULC S705.2-05)

The National Standard of Canada **Spray Applied Rigid Polyurethane Foam, Medium Density Application-Specification CAN/ULC S705.2** outlines the responsibilities of the contractor/installer for installing the 2lb. CC MD SPF material.

MATERIAL VERIFICATION

The installer is required to check and ensure that the material being used meets the CAN/ULC S705.1 standard. This is normally done by confirming that there is a Canadian Construction Materials Centre number label on both the “A” component and the “B” component drums. The foam will be coloured to identify the manufacturers.

ENVIRONMENTAL CONDITIONS

The installer will check the environmental conditions to ensure that they are within the range specified by the supplier of the material.

SUBSTRATE CONDITIONS

The installer will check the substrate to determine if any preparation is required. Any preparation of the substrate will be done in accordance with the manufacturers instructions and the standard.

EQUIPMENT

The equipment used to install spray polyurethane foam insulation is specialized and expensive. It must only be operated by a certified and licensed spray foam installers.

EQUIPMENT SETTINGS

The installer will set the equipment to the correct temperatures and pressures. The installation may require that the equipment be adjusted at various times during the application.

TRAINING AND CERTIFICATION

The installer must be certified by attending a training course approved for the industry. The installer must successfully pass the training course and successfully complete an on-site inspection.

The installer is issued a photo-identification card which they are required to carry at all times when installing spray polyurethane foam insulation. The card must be updated on an annual basis and the installer will have to be re-certified by the Certification Organization every 5 years from date of initial certification as per CAN/UL S718-13

APPLICATION

The installer will install the material as required by the manufacturer’s TDS and the CAN/ULC S705.2 Standard. Correct application is important to the properties of the end product and.

ON-SITE TESTING

The installer conducts visual testing on an ongoing basis. In addition, the installer will conduct density tests, adhesion and cohesion tests, and a final visual inspection on a daily basis. All test results are recorded on the Daily Work Record form.

DOCUMENTATION

The installer will complete a daily work record where information about the application and testing is

recorded. The contractor will provide a job site declaration form or label.

SAFETY REQUIREMENTS

The installer is required to use personal protection (PPE) when installing spray polyurethane. They are responsible for advising other workers that spraying will take place. Warning signs need to be posted during the installation and the material must be covered with an approved thermal barrier when installed on the interior of a building.

When installing the material in an occupied home, the area being sprayed must be isolated and ventilation during installation.

BENEFITS OF THE STANDARD

The end user is protected by the use of the National Application Standard. The contractor is put on a level playing field and the Installer is recognized for their abilities.