

Surface Seal and Protect for Thermal and Acoustic Insulation

(Page 1 of 2)

PART 1 GENERAL

1.1 Related Works and Sections

- 1.1.1 Division 07 21 00 - Building Insulation
Division 09 80 00 - Acoustic Insulation

1.2 Work Included

- 1.2.1 Provide all materials, labour, equipment and services necessary for, and incidental to, the complete and correct installation of all **TC-SSP** and related work as shown on the drawings or where specified herein, and in accordance with all applicable requirements of the Contract Documents.
- 1.2.2 All material and installation shall conform to the applicable building and/or other code requirements of all authorities having jurisdiction.

1.3 Quality Assurance

- 1.3.1 If requested, provide samples of minimum size 300 x 300 x 25mm (12" x 12" x 1") of sprayed **TC-417** on a rigid backing top coated with **TC-SSP** at the desired mil thickness.
- 1.3.2 Work shall be performed by a firm with a minimum 3 years experience in the sprayed insulation and/or fireproofing business and shall possess expertise in the installation of **TC-417** and shall be currently registered as an approved Applicator by ThermaCoustic Industries International Limited.
- 1.3.3 Before proceeding with the application of **TC-SSP** top coating for spray-on insulation, approval of the proposed application shall be obtained from the architect and/or other applicable authorities.

1.4 Manufacturer's Literature

- 1.4.1 Copies of the manufacturer's literature, clearly indicating conditions of acceptance and method of application, shall be available on site before and during the period of performance of related work and product installation.

1.5 Material Delivery and Storage

- 1.5.1 All material to be delivered to the site in original, undamaged and unopened packages clearly labelled as **TC-SSP**.

- 1.5.2 All materials to be stored on site in a warm, dry location on either a concrete floor or raised platform; **TC-SSP** bulk material must not freeze.

1.6 Project Conditions

- 1.6.1 **TC-SSP** shall only be installed under the conditions as stated in the manufacturer's published application instructions.
- 1.6.2 When the prevailing outdoor temperature at the site is less than 4°C (40°F), a minimum substrate and ambient temperature of 4°C (40°F) shall be maintained for 48h before, during and until the applied product is completely cured (dry). If necessary for job progress, the General Contractor shall provide enclosures with dry heat to maintain temperature.
- 1.6.3 General Contractor shall provide ventilation to allow proper drying of the installed **TC-SSP** during and after its application.
- 1.6.4 At all times during installation and drying of **TC-SSP** ventilation in enclosed areas shall not be less than 3 complete air changes per hour.
- 1.6.5 All patching and repairing of installed **TC-SSP** required because of damage or cutting by other trades shall be performed under this Section and paid for by the trade(s) responsible.
- 1.6.6 The General Contractor shall allow the Manufacturer's representative full access to the site during normal working hours.
- 1.6.7 The Contractor shall co-operate in the co-ordination and scheduling of the work to avoid delays in job progress.

PART 2 PRODUCT

- 2.1.1 Spray-applied top coating material shall be **TC-SSP** manufactured by ThermaCoustic Industries International Limited.
- 2.1.2 **TC-SSP** shall not contain hazardous materials.
- 2.1.3 ThermaCoustic Industries **TC-SSP** shall be mixed thoroughly immediately prior to use and shall be applied by HVLP spray only.
- 2.1.4 **TC-SSP** top coating must be kept from freezing at all times.

Surface Seal and Protect for Thermal and Acoustic Insulation

(Page 2 of 2)

PART 3 EXECUTION

3.1 Preparation

- 3.1.1 Any new **TC-417** installation to receive **TC-SSP** top coating shall have dried at least to the point where no moisture is dripping from it and shall be properly bonded to the substrate. Required repairs to the insulation shall be completed before coating application. Necessary cleaning of an older **TC-417** installation to receive **TC-SSP** shall be the responsibility of the General Contractor.
- 3.1.2 Carefully remove superficial dust or dirt from the insulation using a light air blast or vacuum prior to installing **TC-SSP** top coating.
- 3.1.3 Ensure that proper temperature and ventilation are maintained as specified in 1.6.2 through 1.6.4.
- 3.1.4 Provide and install masking, drop cloths or other suitable coverings to prevent overspray from coming into contact with unintended fixtures and surfaces.

3.2 Application

- 3.2.1 Apply **TC-SSP** in strict accordance with manufacturer's published recommendations.
- 3.2.2 Apply product as required to produce the desired thickness. Coverage will vary depending upon the surface profile of the insulation, whether it is dry, or if the surface has previously been sealed.

3.3 Clean-up

- 3.3.1 Ensure clean up is to industry standards.

3.4 Options

- 3.4.1 **TC-SSP** can be left in its natural white colour or, when dry, it can be painted to suit using any good quality water-borne paint.