

TC-SSP™ (Surface Seal and Protect)



For use with TC-417 Thermal and Acoustic Insulation and AF90 Finish Ceiling Systems

PRODUCT NAME

ThermaCoustic Surface Seal and Protect (Hereinafter known as TC-SSP)

TC-SSP is a water-borne coating designed to provide a firmer surface for **TC-417** than is normally provided with a standard installation. **TC-SSP** may also be used over **AF90** but it is a denser, smoother product than **TC-417** and, in most cases, there will be no need to provide a firmer surface.

1. MANUFACTURER

TC-SSP is a single-component product manufactured by ThermaCoustic Industries International Limited. It is supplied to trained, approved Applicators for installation over our products as noted above, or for use over other similar materials at the discretion of a suitably qualified individual or organisation.

2. PRODUCT DESCRIPTION

A. Usage:

- **TC-SSP** is an adjunct to our general-purpose **TC-417** thermal and acoustic system and our **AF90** dedicated finish ceiling and wall product. It is used when a harder, yet somewhat flexible surface is required than that provided by a standard installation of one of our, or one of our competitors, materials;
- **TC-SSP** dries to a bright white finish. It will not improve the light reflectance of either **TC-417** or **AF90** as they already provide very high light reflectance, but its application to some manufacturers' mineral fibre, cellulose or fireproofing products will most likely improve their light reflectance;
- **Note that TC-SSP cannot act as a vapour retarder.**

B. Material:

TC-SSP is a single-component product. It is a specifically formulated material incorporating proprietary ingredients and utilising an acrylic binder. It is water-borne and non-hazardous.

C. Applications:

TC-SSP may be used to improve the surface of any fibre-based thermal or acoustic insulation product, or of any fibre-based fireproofing material. It is applied using an HVLP spray system. Follow the manufacturer's recommendation for application of a homogeneous material with a viscosity of approximately 2000 cps.

D. Limitations:

- **TC-SSP** is normally applied to any surface in a one-pass application of the required mil thickness;
- We suggest that applications in the range of 6 – 12 mils will be adequate for most circumstances;
- However, it is both possible and acceptable to increase the thickness as desired by the relevant authority.

Note:

TC-SSP must be kept from freezing;

- Do not apply **TC-SSP** at temperatures below 4°C (40°F) or when temperatures during curing time will fall below the limit unless heating of substrate and ambient air is supplied and both heat and adequate ventilation are maintained throughout the curing period.
- Store **TC-SSP** in a cool, dry location and off the ground.

3. TECHNICAL DATA

ASTM E-84	Flame spread ≤ 25 Smoke development ≤ 450
MIL-STD 810E: Fungal Resistance (Method 508.4)	No growth

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