



"A NASA Technology Spinoff Company"

# SC#1000 Sound Control Coating



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### Description:

**SC#1000** is a specially formulated water-based coating, comprised of 80% vacated ceramic microscopic beads, held in suspension by viscoelastic resin binders, which are designed to reduce reverberation noise in metal panels, structures, ducts, etc. **SC#1000** has excellent noise reduction and transmission loss capabilities, plus the added advantage Hy-Tech's **ThermaCels™**, insulating ceramic microspheres. This product forms a continuous coverage, reaching all nooks and crannies, not sectioned like an installed product and acts as an excellent weatherproof coating.

A waterborne, high build formula that apply 5 times thicker than regular coatings, **SC#1000** offers ceramic insulation and soundproofing combined with excellent adhesion.

Unlike heavy mats which only add mass and lower the intensity of sound, not vibration, **SC#1000** removes noise and unwanted vibrations by converting them into low grade heat, while adding little mass. The back and forth vibrations, mechanical energy, are converted to low level thermal energy or heat, providing structural resonance and impact noise deterrence.

### Benefits:

- Not effected by salt water
- Environmentally friendly and non-toxic
- Light, off-white color
- Coating will not crack, chip, or peel
- Low odor
- Non-volatile, will not support combustion
- **SC#1000** is fortified with biocides and will resist mildew growth
- Use on noisy machines, metal studs and framing, motor cabinets and housings, vehicle body panels, boats, buses, RV's, airplanes, A/C equipment and ductwork, anywhere that is a major source of noise, vibrations or motion
- High resistance to heat transfer
- Temperature range -40° to 350° F

**KEEP FROM FREEZING**  
Do not apply when temperatures are below 50°F.  
Coatings should only be applied when ventilation is adequate.

### Surface Preparation:

Prepare surface by thoroughly removing dirt, grease, loose and peeling paint, and other foreign materials, such as mold, mildew and algae. Apply only to a sound, well-prepared primed surface. Rusted areas need to be treated with a rust stabilizing product prior to application and properly primed.

### Application:

Stir well before use. Do not thin, use product as is. Drying time, (approximately 2 to 4 hours), will vary depending on temperature, humidity and location. Apply using brush, roller or airless sprayer. If spraying, remove all filters and use a .30 tip size. Spread uniformly at a Wet Film Thickness of a minimum of 20-25 mils. Wait at least 24 hours before applying a second coat. Clean up immediately after use with warm soapy water.

**SC#1000** covers approximately 75-100 square feet per gallon.

**CAUTION! KEEP OUT OF REACH OF CHILDREN.**

**DO NOT TAKE INTERNALLY. CLOSE CONTAINER AFTER EACH USE.**

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Hy-Tech Thermal Solutions, LLC nor our agents shall be responsible for the use or results of use of this product or any procedures or apparatus mentioned. We recommend that the prospective user determine the suitability of the product for each specific project and for the health and safety of personnel working in the area. For information on safety hazards associated with this product please refer to MSDS sheets.