



Exclusive Worldwide Distributors of **SAV-A-CEILING**



LABORATORY TEST DATA SHEET

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1) SURFACE BURNING CHARACTERISTICS TEST

- LABORATORY: Underwriters Laboratories, Northbrook, IL.
- PROJECT: #97NK24774
- METHOD: The tests were conducted in accordance with UL Standard 723- "Test for Surface Burning Characteristics of Building Materials," (ASTM E84). The test determines the surface burning characteristics of the test material, specifically the flame spread and smoke developed indices when exposed to fire.
- SAMPLES: Armstrong Acoustic Tiles #769A coated with SAV-A-CEILING® Acoustic Tile Coating.
- Results: Flame Spread: 4.3 (Reduced from 25).
Smoke Developed: 2.7 (Reduced from 10).

2) LIGHT REFLECTANCE TEST & AGING TEST

- LABORATORY: DL Laboratories, New York, NY.
- PROJECT: #DL-11594
- METHOD: The tiles were exposed to continuous UV-B light with a wavelength of 280 to 315 nanometers. The reflectance of the exposed tiles was measured initially and after every 250 hours of exposure in accordance with ASTM Test method E 1347 "Color and Color-Difference Measurement by Tristimulus (Filter) Colorimetry".
- SAMPLES: a) Armstrong Acoustic Tiles #769A-Coated with SAV-A-CEILING® Acoustic Tile Coating.
b) Armstrong Acoustic Tiles #769A-Uncoated (factory finish-new).
c) Armstrong Acoustic Tiles #769A-Painted with latex paint (B42 W2-Brilliant White).

RESULTS: (reflectance by percent):	<u>Start</u>	<u>Exposed 750 hours</u>	<u>Exposed 1000 hours</u>
a) SAV-A-CEILING®	84.2%	83.6%	83.6%
b) Uncoated (new):	79.9%	79.6%	79.6%
c) Painted (latex):	76.1%	75.6%	75.6%

3) SOUND ABSORPTION REPORT (Noise Reduction Coefficient)

- LABORATORY: Riverbank Acoustical Laboratories, Geneva, IL.
- PROJECT: #RAL-A97-170
- METHOD: To determine if an acoustic ceiling tile coated with SAV-A-CEILING® Acoustic Tile Coating will retain its sound absorption qualities using tests #ASTM C423-89 & ASTM E795-83.
- SAMPLES: 72 sq. ft. of Armstrong Acoustic Tiles #769A coated with SAV-A-CEILING® Acoustic Tile Coating.
- RESULTS: SAV-A-CEILING®: Noise Reduction Coefficient (NRC)=0.55
Uncoated Tile: Noise Reduction Coefficient (NRC)=0.55 (NRC data for Armstrong tile #769A reported In Armstrong 1997 catalog #09500/ARM).

4) INVESTIGATION OF TOXIC POTENCY

- LABORATORY: Southwest Research Institute, San Antonio, TX.
- PROJECT: # SwRI 01-1206-010
- METHOD: Test methodology outlined in "Article 15, Part 1120, Combustion Toxicity Testing, NYS Uniform Fire Prevention & Building Code". The procedure is the combustion toxicity protocol developed at the University of Pitt..
- SAMPLE: Armstrong Acoustic Tiles #769A coated with SAV-A-CEILING® Acoustic Tile Coating
- RESULTS: The samples tested performed within the LC₅₀ concentration limits in accordance with NYS UFPBC Article 15. Within the limits of this test SAV-A-CEILING® Acoustic Tile Coating is non-toxic.
Armstrong #769A coated with SAV-A-CEILING®: LC₅₀ Range: 11.6-50.0 grams.
Armstrong #769A uncoated (new): LC₅₀ Range: 16.5-92.6 grams.