

# SAV-A-CEILING®

## ARCHITECTURAL CEILING COATING

### LABORATORY TEST DATA SHEET

#### 1) SURFACE BURNING CHARACTERISTICS TEST

-LABORATORY: Underwriters Laboratories, Northbrook, IL.  
 -METHOD: The tests were conducted in accordance with Standard ANSI/UL 723- "Test for Surface Burning Characteristics of Building Materials," (ASTM E84-07). The test determines the surface burning characteristics of the test material, specifically the flame spread and smoke developed indices when exposed to fire.

Results:



General Purpose Coating Surface Burning Characteristics 3RKS  
 SAV-A-CEILING, proven not to harm the firing rating of ceiling tiles when applied.

#### 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 Pittsburgh.  
 -SAMPLE: Armstrong Acoustic Tiles #769A coated with SAV-A-CEILING® Acoustic Tile Coating  
 -RESULTS: The samples tested performed within the LC<sub>50</sub> 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®: LC<sub>50</sub> Range: 11.6-50.0 grams.  
 Armstrong #769A uncoated (new): LC<sub>50</sub> Range: 16.5-92.6 grams.