

RESULTS OF INDEPENDENT TESTING PROCOUSTIC ACOUSTICAL TILE & CEILING COATING

Note: The following tests were conducted on ProCooustic in the white color formulation. Changes in the formula to achieve other colors may yield different results.

Acoustical Test

Tested By: Riverbank Acoustical Laboratories, Geneva, Illinois
Test Used: ASTM C423-89 and ASTM E785-83
Purpose: To determine whether the application of ProCooustic would negatively affect the sound absorption qualities of an acoustical ceiling tile.
Results: A slight improvement in the Noise Reduction Coefficient (0.55 to 0.60) as a result of applying ProCooustic to the tile surface.

Fire Test

Tested By: Factory Mutual Research, Norwood, Massachusetts
Test Used: ASTM E-84 (Steiner Tunnel Test)
Purpose: To determine if the application of ProCooustic would negatively affect the fire retardant characteristics of an acoustical ceiling tile.
Results: Flame spread reduced from 25 to 5
Smoke density reduced from 10 to 5

Light Reflectance Test

Tested By: Riverbank Acoustical Laboratories, Geneva, Illinois
Test Used: ASTM C-523-68
Purpose: To determine if the application of ProCooustic would negatively affect the reflectance of light off a new acoustical ceiling tile.
Results: A slight improvement in the reflectance of light due to the application of ProCooustic (0.81 to 0.88).

Combustion Toxicity Test

Tested By: Anderson Laboratories Inc., Dedham, Massachusetts
Test Used: The protocol of the University of Pittsburgh for evaluation of acute toxicity of thermal composition products.
Purpose: To determine if the application of ProCooustic to an acoustical ceiling tile would negatively affect the toxicity values of the combined products (tile with ProCooustic applied).
Results: Within the limits of this test, ProCooustic is non-toxic. When added to another material, such as an acoustical ceiling tile, it improves the smoke toxicity test values.

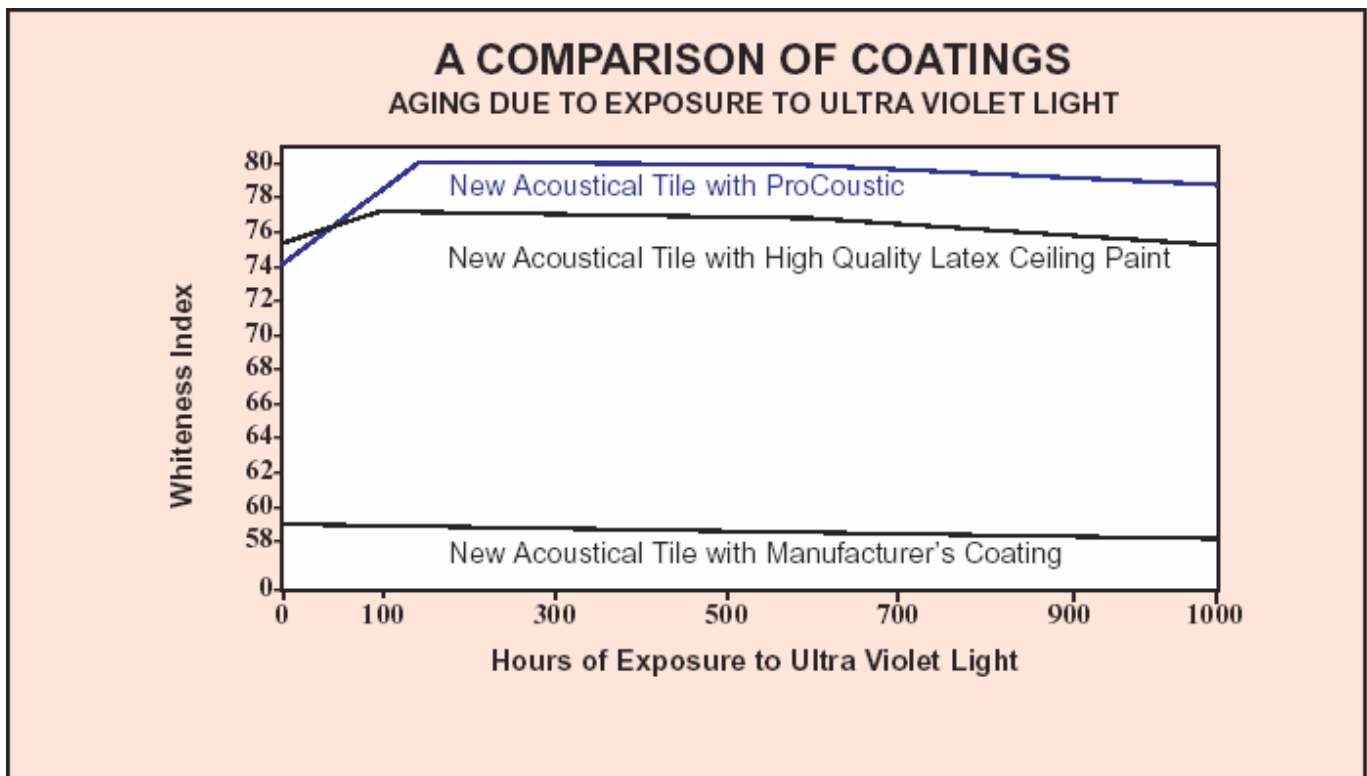
Aging (Longevity) Test

Tested By: DL Laboratories, New York, NY

Test Used: ASTM E-313

Purpose: To (1) determine the effects of time and exposure to ultra violet on a new acoustical ceiling tile with ProCooustic on the surface and, (2) compare the results with an untreated new factory coated acoustical ceiling tile and one coated with a high quality latex paint on the surface. The three samples were tested at the same time and subjected to the same exposure.

Results: The ProCooustic sample performed the best of the three. ProCooustic has a higher Whiteness Index Value and maintained that advantage over time. The lowest Whiteness Index Value was recorded by the new tile sample. See graph below.



More detailed testing information available upon request.