



## INTERIOR FINISH COATINGS TESTING SUMMARY

QuartzSilco, QuartzMural

Maintaining the highest standards is PERMATONE's highest priority. PERMATONE's Research and Development Program includes extensive testing to assure our customers of top performance in every product.

### EXTENSIVE FIRE TESTING

Test	Method	Description	Result
Surface Burning Characteristics	ASTM E-84 (UL 723, UBC 42-1)	Smoke Development Flame Spread Index Fuel Contribution (Assembly over 1/2" Gyp.)	5 5 0
Burning Characteristics	Military Spec. MIL-M-14G	Bellstein Test Smoke Development Flame Spread Ash	Negative Light 5" Light
Potentially Hazardous Gas Emissions Upon Burning	Military Spec. MIL-M-14G Results expressed in PPM.	Chlorine Hydrogen Chloride Phosgene Ammonia Carbon Monoxide Cyanides as HCN Sulfur Dioxide Aldehydes as HCHO Carbon Dioxide Nitrogen Oxides (NO2)	0 0 0 0 140 0 0 2 9125 28

### RESISTANCE TO ELEMENTS

Test	Method	Description	Result
Accelerated Weathering	ASTM G-23	2000 Hours Carbon Arc Method	No Deterioration or Color Change
Salt Fog Resistance	ASTM B-117	500 Hrs. of 5% Salt Fog	No Change
Humidity Resistance	ASTM D-1735	500 Hours of 100% Water Fog	No Change
Wind Driven Rain	Fed. Spec. TT-C-555B	24 Hour Exposure	0.35% Weight Gain No Water Penetration
Abrasion Resistance	ASTM D-969 (1000Lts.)	Resistance to Wear	No Perceptible Change
Chemical Resistance	ASTM D-1308	Hydrochloric Acid 10% Ammonia Hydroxide Turpentine Fuel Oil	No Change No Change Moderate Softening Slight Softening
Mildew resistance	Military STD.810B	Method 508	No Fungus Growth
Water Vapor Permeance	Modified ASTM E-96	Permeance through Primer Permeance through Finish	66 Perms 24 Perms
Hardness	Rockwell R Scale	Quartzsilco Quartzmural	25.5 24.2