



Interior Finish Coatings Testing Summary

QuartzSilco, QuartzMural, Chiffon

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	5
		Flame Spread Index	5
		Fuel Contribution	0
		(Assembly over 1/2" Gyp.)	
Burning Characteristics	Military Spec. MIL-M-14G	Bellstein Test	Negative
		Smoke Development	Light
		Flame Spread	5"
		Ash	Light
Potentially Hazardous Gas Emissions Upon Burning	Military Spec. MIL-M-14G Results expressed in PPM.	Chlorine	0
		Hydrogen Chloride	0
		Phosgene	0
		Ammonia	0
		Carbon Monoxide	140
		Cyanides as HCN	0
		Sulfur Dioxide	0
		Aldehydes as HCHO	2
		Carbon Dioxide	9125
Nitrogen Oxides (NO ₂)	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%	No Change
		Ammonia Hydroxide	No Change
		Turpentine Fuel Oil	Moderate Softening Slight Softening
Mildew Resistance	Military STD.810B	Method 508	No Fungus Growth
Water Vapor Permeance	Modified ASTM E-96	Permeance through Primer	60-66 Perms
		Permeance through Finish	24-26 Perms
Scrub Resistance	ASTM D2486-6	Quartzsilco	3500-4300
		Quartzmural	3500-4500
		Chiffon	3500-4200

Testing Summary