

Research and Development

5/25/2017

Project: Former Citibank Building, Now J & S Management Building, Redwood City, CA

Purpose: Evaluate color stability of TEX•COTE® REFLECT-TEC® Heat Reflective Finish system that was applied to this building in December 2013. On average, there are 255 sunny days per year in Redwood City, California. The July high is around 78 degrees. The January low is around 42 degrees. Redwood City, California, gets 21 inches of rain per year.

Product used: TEX•COTE® TEX•BOND™ Primer & REFLECT-TEC® Heat-Reflective Finish

Procedures: Color measurements were made at various locations around the building and recorded using an X-Rite SP62 Spectrophotometer. Original and current readings compared, and Delta E color difference was calculated.

Results: 40 Months (3 years 4 months) Exposure color comparison

South Side Wall - Driveway	DL	Da	Db	DE
	-0.24	-0.19	-0.58	0.66
	-0.57	-0.11	-0.63	0.88
	-0.47	-0.23	-0.84	0.99
West Side Wall – Marshall St.				
	-0.40	-0.13	-0.69	0.72
	-0.59	-0.13	-0.52	0.80
	-0.68	-0.35	-0.76	1.08
North Side Wall – Jefferson St.				
	-0.14	-0.26	-0.62	0.69
	-0.49	-0.09	-0.32	0.59
	-0.38	-0.09	-0.25	0.46
East Side Wall - Alleyway				
	-0.10	-0.13	0.12	0.20
	-0.43	-0.16	0.02	0.46
	0.00	-0.21	0.13	0.25

Conclusion: After nearly 3 ½ year's exposure, REFLECT-TEC® system is performing great with superior color retention and fade resistance. Coating shows a minimal amount of color change and is still performing extremely well. Building pictures show as if it has been recently painted.

Research and Development

Before



After



South Wall Close up



North Wall



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South Side



West Side



East Side



North Side

