

Pepsi-Cola® Bottling Plant – Reduce Radiant Heat Gain

Client Name and Location: Pepsi-Cola – Venezuela

Date of Application: June 2010

Mascoat Representative: Rick Chang of EMSOL

Coating Used: Mascoat WeatherBloc-IC

Application: Rooftop

Reason for Application: Reduce radiant heat gain to make the interior safer and more comfortable.

Mils Applied: 20 Mils (0.5 mm)

Starting Surface Temperature: Between 32.4 and 56.3°C (90.3 and 133.4°F), depending on time of day

Post Application Surface Temperature: Between 30.9 and 42.9°C (87.6 and 109°F), depending on time of day

Application Notes: The application began with a thorough 5000 psi pressure wash to eliminate dust, dirt, and any other foreign matter that could inhibit adhesion. After that was finished, 20 mils of Mascoat WeatherBloc-IC was applied in one coat utilizing a 33:1 airless sprayer with a 4-man crew. Throughout the application, the coating was measured to ensure uniform thickness across the entire roof.





TEMPERATURE °C (Measured directly on underside of ceiling, while sun was shining)				
Time	Area Coated	Area not Coated	Ambient Temp	Difference
9am	30.9	41.2	34.2	10.3
10am	36.8	48.1	39.2	11.3
11am	38.7	54.8	41.6	16.1
12pm	42.9	56.3	45.7	13.4
1pm	41.9	53.5	42.9	11.6
2pm	40.4	51.3	41.6	10.9
3pm	39.6	46.6	40.2	7
4pm	38.3	35.6	36	0.7
5pm	32.8	32.4	33.6	-0.4

