

Testing Drying Time at Ambient Temperatures

■ Situation #1: Empty Cans

Ambient temp - 64 to 68 degrees

Substrate temp - 60 to 68 degrees

Relative Humidity - 54% to 78%

■ Sample 1:

1st Coat – 15 mils DFT/2.5 hours dry time

2nd Coat – 20 mils DFT/25% moisture after 3.5 hours, allowed to dry overnight

Total Dry Film Thickness 35 mils

■ Sample 2:

1st Coat – 15 mils DFT/2.5 hours dry time

2nd Coat – 15 mils DFT/34% moisture after 3.5 hours, allowed to dry overnight

3rd Coat – 20 mils DFT/7% moisture after 6 hours, allowed to dry overnight

4th Coat – 25 mils DFT/3% moisture after 8 hours, allowed to dry overnight

Total Dry Film Thickness 75 mils

■ Sample 3:

1st Coat – 15 mils DFT/2.5 hours dry time

2nd Coat – 19 mils DFT/32% moisture after 3.5 hours, allowed to dry overnight

3rd Coat – 6 mils DFT/6 hours dry time

4th Coat – 18 mils DFT/22% moisture after 8 hours, allowed to dry overnight

5th Coat – 22 mils DFT/17% moisture after 5.5 hours, allowed to dry overnight

Total Dry Film Thickness 80 mils

■ Situation #2: Empty Cans

Ambient temp – 85 degrees

Substrate temp – 85 degrees

Relative humidity – 42% to 52%

■ Sample A:

1st Coat – 15 mils DFT/1 hour dry time

2nd Coat – 17 mils DFT/3.25 hours dry time

3rd Coat – 15 mils DFT/60% moisture after 2.25 hours, allowed to dry overnight

Total Dry Film Thickness 47 mils

■ Sample B:

1st Coat – 18 mils DFT/3% moisture after 1 hour, allowed to dry overnight

2nd Coat – 20 mils DFT/5 hours dry time

3rd Coat – 25 mils DFT/60 moisture after 2.25 hours, allowed to dry overnight

Total Dry Film Thickness 55 mils

■ Sample C:

1st Coat – 22 mils DFT/7% moisture after 1 hour, allowed to dry overnight

2nd Coat – 23 mils DFT/13/5 moisture after 5 hours, recoated at this time

3rd Coat – 25 mils DFT/60% moisture after 2.25 hours, allowed to dry overnight

Total Dry Film Thickness 70 mils

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■ Situation #3: Cans Filled w/Water, Temp Elevated & Maintained Using Electric Immersion Heat Element

Ambient temp – 64 degrees

Liquid temp – 182 to 185 degrees

Relative humidity – 50 to 52 degrees

■ Sample 4:

1st Coat – 22 mils DFT/1 hour dry time/surface temp – 160

2nd Coat – 20 mils DFT/1.5% hours dry time/surface temp – 147

3rd Coat – 18 mils DFT/1 hour dry time/surface temp ≠ 108

Total Dry Film Thickness 60 mils

■ Sample 5:

1st Coat – 15 mils DFT/1 hour dry time/surface temp – 132

2nd Coat – 20 mils DFT/1.5 hours dry time/surface temp – 122

3rd Coat – 15 mils DFT/1 hour dry time/surface temp – 112

■ Clean Up

- a. Solvent (Xylol, Xylene, MEK) are used to remove Ceramic Cover CC Systems 100 from tools or substrates where overspray is undesirable.
- b. To remove Ceramic Cover CC Systems 100, use soap and water or type of solvent.
- c. Dry fall over 7 feet can be swept up with a broom.
- d. Use water to thoroughly clean pump. Product left in pump must be under pressure to be reused. Mix the remaining product in the container.
When using thinner: Clean pump-make sure all thinner is removed before using Ceramic Cover CC Systems 100. Solvents are our enemy.

■ Storage

Ceramic Cover CC Systems 100 should be stored in a cool dry area where ambient temperatures do not reach below freezing or in direct sunlight.