

Local Police Department in Ontario - Graffiti Barrier

REPORT ON EXPERIMENT

To: Dean Patterson, Steve Cox, Chemfil Office Files

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PURPOSE:

To determine what concentration of EZ Guard WB will provide the necessary barrier protection to allow easy graffiti removal.

METHOD:

Background:

Local Police currently purchasing Graffiti Go to remove spray paint from walls and monuments throughout the city. Recently there has been an increase in the amount of graffiti, thus Police are looking for a clear barrier to apply to the highest hit areas to make graffiti removal easier. Although EZ Guard has never been used as a barrier against graffiti, it is currently used to provide 3-6 month outdoor corrosion protection.

Trial #1

1. 12"X12"X2" cement slab will be divided into 4 even sections via tape.
2. EZ Guard WB solutions of 25%, 50% and 100% to be prepared and applied to each section of the cement slab. One section will have nothing applied to establish a baseline.
3. Allow EZ Guard to dry for several hours.
4. Note visual appearance of each section/concentration.
5. Apply even application of spray paint across the 3 sections. Allow spray paint to dry.
6. Power wash all three section and evaluate percent spray paint removed.
7. If none of the sections clean via pressure washer, Graffiti Go will be applied and power washed.

OBSERVATIONS:

Trial #1 - Spray Application



Trial #2- Brush Application



Section 1 - none

Section 2 - 25%

Section 3 - 50%

Section 4 - 100%

Section 1 - 25%

Section 2 - 50%

Section 3 - 100%

Section 4 - none

In both applications, cement has a wet appearance after 4 hours of drying. All sections were dry to the touch after the 4 hours.





Spray paint applied to each section and allowed to dry for 12 hours.



Both cement slabs were powerwashed (> 1000 psi) for approximately 90 seconds each.

Section 1 - none, 0% removed
Section 2 - 25%, 5% removed
Section 3 - 50%, 50% removed
Section 4 - 100%, 95% removed

Section 1 - 25%, 5% removed
Section 2 - 50%, 20% removed
Section 3 - 100%, 75% removed
Section 4 - none, 0% removed

Increase pressure would provide higher percentage paint removal. From the photos, it appears that the wax remained on the sections with 50% and 100% concentrations.

CONCLUSIONS:

Based on results, EZ Guard WB at 100% concentration provided considerable barrier protection. The spray application appeared to have the best results.

Recommendations:

Repeat testing on individual cement slabs using EZ Guard WB at 100% concentration. Test both spray and brush applications. Supply sample to Local Police to apply to high graffiti area and evaluate.