

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2015

DateRun: 06/11/2015

Experimenters: Alicia Melvin

ClientType: Chemical Company

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Adhesive, Coatings, Resins/Rosins

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric, Visual

Purpose: To evaluate Methyl 408 and Ethyl 408 on their removal effectiveness for precision cleaning applications

Experimental Procedure: Three coatings from precision cleaning projects were applied to surfaces and then cleaned using immersion and manual cleaning.

Results: Methyl 408 and Ethyl 408 absorbed into the guerilla epoxy and clear lacquer, and affected the gravimetric results even though, visually, they both removed most of the soils. The red lacquer did not absorb the chemicals, so a gravimetric reading was possible. Both chemicals are decent at precision cleaning.

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|-------------------|--------------------|------------------|-------------|
| Cleaning Category | Precision Cleaning | | |
| Soil type | Adhesive | Resin | |
| Specific soil | Guerilla Epoxy | Clear Lacquer | Red Lacquer |
| Methyl 408 | Mostly Effective | Mostly Effective | 92.92% |
| Ethyl 408 | Mostly Effective | Mostly Effective | 74.29% |

Summary:

| | | | | | |
|----------------------|----------------------|-----------------------------------|--------------------|-------------------------------------|----------------------|
| Substrates: | | Stainless Steel | | | |
| Contaminants: | | Adhesive, Coatings, Resins/Rosins | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Xf Technologies | Methyl 408 | 100 | 92.92 | <input checked="" type="checkbox"/> | |
| Xf Technologies | Ethyl 408 | 100 | 74.29 | <input type="checkbox"/> | |

Conclusion: The Methyl 408 is the better of the two cleaners on these soil types.