CARSTAR COLORMAGIC Columbus, OH

Color Magic has been in operation for more than 30 years, with Matt contributing over 20 years of experience as a second-generation owner. The organization employs 20 team members and maintains four Direct Repair Program (DRP) relationships, along with two fleet accounts. Color Magic also holds seven OEM certifications, including Honda/Acura, Ford (Lincoln), General Motors (including subsidiaries), Hyundai, Kia, Nissan, and Mazda.

PERFORMED BY **JOSH CULVER**

OBJECTIVES

The purpose of this study was to evaluate whether material usage could be reduced through the implementation of updated coatings equipment combined with incremental habit changes, informed by external expertise and prior studies. The evaluation was conducted over a two-day period using six repair orders, in collaboration with a veteran painter with 12 years of experience.

EQUIPMENT USED

Old Equipment:

- LS400 Supernova 1.3 ETS
- WS400 Supernova 1.3HD
- LPH400 LVX 1.3
- W400 WBX 1.3

New Equipment:

- LS400 SR2 1.3 ETS
- WS400 Clear 1.3
- LPH300 primer sealer 1.4

RESULTS

RO 25074
Rear hatch
Standard color mix: 16oz
New Mix: 12oz
Used: 12oz

RO 25078
Hatch, rear bumper, rear body
Usual color mix: 27oz
Mixed color: 23oz
Used color: 20oz

RO 25105
Lift gate and rear bumper
Usual color mix: 23oz
Mixed color: 23oz
Used color: 14.5
Saved: 8.46oz

RO's batch mixes (25704,25078,25105)
Usual sealer mix: 22oz
Mixed Sealer: 15oz
Sealer used: 13.5oz
Clear batch mix: Usual: 50oz
Mixed: 47oz
Used: 39.5oz

RO 25112
Fender, blend door, front bumper
Sealer mixed: 6.46oz
Sealer used: 2oz
Saved: 4oz
Usual color mix: 17oz
Mixed and used: 11oz
Saved: 6oz
Usual clear mix: 16oz
Mixed and used: 11oz

RO 25120
Quarter and bumper
Usual sealer: 6oz
Used sealer: 3oz
Usual color mix: 9oz
Mixed color: 4oz
Usual mixed clear: 15oz
Mixed clear: 11oz
Used clear: 10oz

RO 25119
Sealer mix: 4oz
Sealer used: 2oz
Base mixed: 6oz
Base used: 5oz
Clear mixed: 14oz
Clear used: 14oz

CONCLUSION

Following an introduction to the updated equipment, proper air management adjustments were made and standard spray gun settings were established. New mixing recommendations were then implemented. After the completion of three repair orders, measurable improvements were observed, including **increased transfer efficiency**, **cleaner application results**, and **improved material management**. By the conclusion of the second day, the **study achieved an average reduction of 34% in material usage across all coatings.**