

# The 3 Purposes of Reducer

Reducers are made from a combination/blend of solvents that provide different performance and application characteristics, such as:

- Chemical strength to reduce the viscosity of high solids resins
- Evaporate at different rates during the application process
- Alter the product's application characteristics (i.e. flow, coverage, etc)

The three types/blends of solvent used to make reducer:

| Type               | Role   |
|--------------------|--|
| Front-end Solvents | Thins the resins in the paint to allow it to be applied with refinish spray equipment. Front solvent <i>evaporates quickly after leaving the spray gun.</i>  |
| Middle Solvents    | Remains with atomized paint in order to provide initial adhesion and leveling (flow) of paint once it reaches substrate. Middle solvent <i>evaporates quickly after reaching the panel.</i>        |
| Tail Solvents      | Remains with applied product to finish the leveling (flow) process as well as insure chemical adhesion to previous products. Tail solvent <i>evaporates last during the drying/curing process.</i> |

-Correct solvent choice is a must for trouble free automotive refinish application

-90% of all paint related problems are due to wrong solvent choice