4000 SERIES Reducers
waterbased custom automotive paints

4003 Reducer-Binder

**General:** Used to balance resin levels in colors reduced past recommended amounts with the 4010 & 4011 Reducers. A fluid, binder base intended to reduce Auto Air Colors for improved flow while maintaining resin levels for adhesive integrity.

**Mix Ratios:** Add in small increments until desired viscosity is achieved. Exact mix ratios are not required.

**Viscosity:** Add to colors until a 23 -26 second pass in a Zahn #2 cup is achieved. Exact mixing ratios are not required due to resin added to mix. 4003 Binder-Reducer can be used to generously reduce most any color for use with smaller tip size airbrushes. For optimum performance through small airbrushes, use 4010 and 4011 Reducers up to their 25% per volume mix limit and further reduce with 4003 Binder-Reducer to maintain resin levels while thinning colors to their lowest viscosity, just refer to the 4011 Flash Reducer. Not intended for mixing with 4800 Series Candy Colors. Use 4004 Transparent Base with 4600 Series Colors.

4010 Flash Reducer- Medium Dry

**General:** Use to thin colors for improved flow, leveling and spray-ability with a slight acceleration in drying time. For airbrush usage, 4010 Flash Reducer aids with control and preventing over-spray when using smaller tip sizes at lower PSI settings for cleaner lines for detailed work.

**Mix Ratio:** Spray Gun 10% - Airbrush 10-25% per volume

**Viscosity:** 23 – 26 seconds Zahn #2 cup at 4:1, Reducing colors past 25% per volume with 4010 Flash Reducer will not further decrease viscosity. If further reduction is made, use 4003 Binder-Reducer to balance color's resin level. Over-reducing colors with 4010 Flash Reducer past 25% per volume will weaken color's adhesive properties.

**Pot life:** 24 hours - once mixed with Auto Air Colors. Mix 4010 Flash Reducer only into color amounts for current use.

**Curing:** Use forced, dry air to cure colors mixed with 4010 Flash Reducer. Heat may also be used to decrease drying time. Colors may be air cured over a 4-12 hour period without the assistance of air movement or heat. Curing times are dependant upon humidity, temperature and other environmental conditions. Applying colors in light, even coats without excess material build-up improves curing times.

**Clearing:** Colors mixed with 4010 Flash Reducer must be thoroughly dried prior to clearing to prevent possible reaction with clear due to trapping in 4010 Reducer which has yet to flash.

4011 Flash Reducer- Fast Dry

**General:** Use to thin colors for improved flow, leveling and spray-ability with an acceleration in drying time. For airbrush usage, 4011 Flash Reducer aids with control and preventing over-spray when using smaller tip sizes at lower PSI settings for cleaner lines for detailed work.

**Mix Ratio:** Spray Gun 10% - Airbrush 10-25% per volume

**Viscosity:** 23 – 26 second Zahn #2 cup at 4:1, Reducing colors past 25% per volume with 4011 Flash Reducer will not further decrease viscosity. If further reduction is made, use 4003 Binder-Reducer to balance color’s resin level. Over-reducing colors with 4011 Flash Reducer past 25% per volume will weaken color’s adhesive properties.

**Pot life:** 24 hours - once mixed with Auto Air Colors. Mix 4011 Flash Reducer only into color amounts for current use.

**Curing:** Use forced, dry air to cure colors mixed with 4011 Flash Reducer. Heat may also be used to decrease drying time. Colors may be air cured over a 4-12 hour period without the assistance of air movement or heat. Curing times are dependant upon humidity, temperature and other environmental conditions. Applying colors in light, even coats without excess material build-up improves curing times.

**Clearing:** Colors mixed with 4011 Flash Reducer must be thoroughly dried prior to clearing to prevent possible reaction with clear due to trapping in 4011 Reducer which has yet to flash.

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