



TECHNICAL DATA SHEET

PRODUCT NAME: INSPIRE H20

Version: 24/01/2016

DESCRIPTION:

Inspire H20 paint products Base and effects color are intended for interior and exterior applications. Inspire H20 can be used on substrates such as T-Shirts, Leather and pre-treated Metals. Inspire H20 colors are highly pigmented for great coverage. All Inspire H20 colors are intermixable so colour options are endless!



SURFACE PREPARATION:

Do not apply Inspire H20 basecoats directly over polyester primer, electro coat, 1K and 2K etch primer. Always topcoat these finishes with 2K urethane primer or sealer before applying Inspire H20 basecoat.

Apply over properly prepared and applied two-component primer, OE finish or existing finish. Wet sand with P600—P800 grade abrasive or DA sand with P500-P600 grade abrasive. Allow wet sanded surface to dry thoroughly. Carefully clean surfaces to remove all dust, sanding residues, water soluble salts and other impurities. Wipe surface with a lint-free cloth and allow to dry completely before applying color.

Porous Surfaces & Fabrics: Best to paint onto clean fabric. A few very light coats of Inspire H20 Transparent Base locks down lint or knap preventing interference and contamination when airbrushing. Stretching fabric or t-shirt over a board creates a flat, wrinkle-free surface which is much easier to paint on. For t-shirts, clamp down sleeves and loose ends.



MIXING:

Mix by volume, mix thoroughly and strain (190 micron) filter prior to spraying with Spray gun or a touch up spray gun.

- 1 Parts Base/effect Colour (mix well)
- 10-15% Inspire H20 Reducer or Inspire H20 Slow Reducer.

Airbrush: Reduction for airbrushing is about creating the best viscosity to achieve optimum atomization. There are no rigid set of reduction ratios. This changes depending on color type (e.g. base vs. trans), airbrush tip-size, psi and technique. Reduction ratios are generally 10-25% for large tip-sizes (0.5mm) and 25-50% for medium tips (0.35mm) and even more for smaller tip sizes. These are starting suggestions; reduce as needed to achieve best atomization.



GRAVITY GUN SET UP:

High Efficiency or HVLP: 1.0 mm — 1.4 mm. All Inspire H2O colors and effects.
 Note: Smaller fluid tip may be used with touch up guns for small areas or extreme cool temperatures. Larger fluid tip may be required for high temperature, low humidity environments.

AIRBRUSH TIP SIZE: 0.5mm: @ 40-50+ PSI; 0.35m and smaller operate at lower PSI settings and reduce paint to desired viscosity best to atomize particular color with particular airbrush type and tip size.

AIR PRESSURE:

Refer to spray gun manufacturer's recommendations



APPLICATION 68°F / 20°C:

Mix paints well be use, Strain the paint into the paint gun.

- Apply 1 light coat and 2 medium coats with a 75% overlap. Depending on the color or effect, additional coats may be necessary. Avoid applying heavy wet coats.
- Allow basecoat to flash off until the surface has dried to a matte finish. Do not use heat to force dry paint. Use air movement from a fan or other source such as an air gun to assist with flash/drying times.
- 3 Stage effects: leave 60 minutes to ensure base color has fully dried before applying effect colors. For best results with 3 stage colors is to spray the vehicle sides in one continuous pass rather than individual panels to avoid film build up on the edge of panels with could cause a patchy appearance on the finished panel.
- Allow effect coat to flash off until the surface has dried to a matte finish.
- Once basecoat/effect coat has fully dried, apply 2K SHOWCLEAR.

Airbrush: Apply light coats and allow to dry between coats. Avoid applying heavy wet coats.



DRY TIMES @ 68°F / 20°C:

Air Dry: Allow basecoat to flash off until the surface has dried to a matte finish. Ensure you have good warm air movement to help drying.



TOPCOATING:

Topcoat with 2K SHOWCLEAR to provide the ultimate deep gloss finish. Follow 2K SHOWCLEAR application directions.



SPECIAL NOTES:

NOTE: Always spray a test panel first to establish the ground coat colour and the amount of coats required for desired effect.

Do not use heat to force dry paint. Use air movement from a fan or other source such as an air gun to assist with flash/drying times.

Clean equipment after use with Inspire H2O gun wash or Inspire H2O reducer. Disassemble gun/airbrush, unscrew cups and filter (if fitted), and rinse separately. Rinse gun thoroughly with water. Assemble gun and spray Inspire H2O Reducer through the gun to completely clean the gun and spray components.

DO NOT FREEZE! Store at room temperature in a clean, dry area.

HEALTH & SAFETY:

Read all warnings, first aid and safety for all components before using. Keep out of reach of children and animals. The manufacturer recommends the use of an air-supplied respirator when exposed to vapours or spray mist. Wear protective clothing, gloves and eye safety with a side shield. Custom Paints finishes are for intended use by professional, trained painters.

Note: Custom painting can be difficult. All products should be fully tested prior to commencing any job to determine suitability, final finish and overall appearance. All information and data provided by CUSTOM PAINTS LTD is given in good faith and intended to be a general guide only. CUSTOM PAINTS LTD shall not accept liability as a result of any failure or lack of expertise on the part of the applicator, condition of substrates, lack of, or incorrect preparation, use of incompatible materials, equipment failure or use of incorrect equipment or any other reason beyond the control of CUSTOM PAINTS LTD and further offers no warranties of whatever nature express or implied as to merchantability or fitness for a particular use or purpose and shall not accept liability for any specific or consequential damage as a result of using these products unless otherwise agreed to in writing. Should a product be defective, CUSTOM PAINTS LTD shall replace the defective product, or, at its sole discretion refund the purchase price.