TUSP Touch Up Spray Paint Technical Data Sheet

TUSP-Aerosol

Description

The TUSP *Touch Up Spray Paint* is a fast-drying acrylic lacquer which offers excellent adhesion, flexibility, and resistant to large temperature variations. The finish is extremely hard and durable. In addition, it offers good resistance to detergent, water, abrasion, heat, and alcohols.

Applications & Usages

The TUSP adheres well to aluminum, steel, vinyl, and more. The paint is versatile and is used for various applications including but not limited to windows, sidings, doors, fences, skylights, and electronic enclosures. The product is most suitable for touching up heat cured finishes and UV cured finished surfaces.

Benefits and Features

- **Professionally match any color including metallic based paints**
- **Acrylic lacquer base for durable finish**
- **Opaque high hide paint**—only one or two coats are required
- **14 standard stock colors readily available**
- **Excellent finish**—hard and durable
- **Easy cleanup** with Cat. No. 435 or Cat. No. 434

Usage Parameters

Properties	*Value*
Tack Free Recoat Time	≥2 min 8 min
Drying Time @22 °C [72 °F] a)	≥24 h
Wet Film Thickness b)	3.9 to 5.6 mil [100 to 140 µm]
Dry Film Thickness b)	0.7 to 1.0 mil [18 to 25 µm]
Shelf Life	5 y

a) Varies depending on thickness, temperature, humidity, and materials being applied. Time can be accelerated with heat. Do not cure above 65 °C.
b) Recommended thickness.

Temperature Ranges

Properties	*Value*
Storage Temperature Limits c)	-5 to 40 °C [23 to 104 °F]

c) The product must stay within the storage temperature limits stated.

Date: 23 January 2017 / Ver. 1.00

Principal Components

Name	***CAS Number***
HFO-1234ze (Propellant)	*29118-24-9*
Acetone	*67-64-1*
Toluene	*108-88-3*
1-Methoxy-2-propanol acetate	*108-65-6*

NOTE: Colorant components vary depending on color choice.

Properties of uncured TUSP

Physical Properties	***Method***	***Value***
Viscosity @40 °C [104 °F]		<20.5 mm^2/s
Density		0.8 to 0.9 g/mL
Flash Point [a)]	Tag Closed Cup	-17 °C [1.4 °F]
Boiling Point [a)]		≥56 °C [≥133 °F]
Auto-ignition Temperature		≥315 °C [≥599 °F]
Odor		Ethereal

a) Based on acetone component

Compatibility

Adhesion—In an uncured state, it is not compatible with contaminants like water, oil, and greasy flux residues. Therefore, it is extremely important to clean the surface thoroughly before applying the coating.

ATTENTION! It is recommended to test product for compatibility before use.

Health, Safety, and Environmental Awareness

Please see the TUSP **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Environmental Impact: With respect to the volatile organic compound (VOC) limits, the PWMIR for TUSP aerosol paint is 0.80 g O_3/g Product.

Pb RoHS COMPLIANT

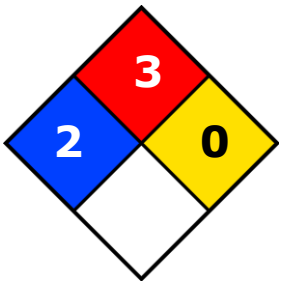
This product meets the European Directive 2011/65/EU Annex II (ROHS); recasting 2002/95/EC.

Health and Safety: The TUSP is flammable and should be kept away from flames and other ignition sources. As with most paint materials, do not breathe in fumes or direct contact with the material. Solvents therein can cause irritation and other symptoms like headaches, pain, as well as having long term exposure effects.

HMIS® RATING

HEALTH:	* 2
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:
0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

Wear safety glasses and disposable gloves. Wash hands thoroughly after use. Use in the open air, in fume hoods, or in well ventilated area.

The cured coating presents no known hazard.

Application Instructions

Follow the procedure below for best results.

Surface Preparation

Clean oil, dust, water, solvents, and other contaminants and let the surface dry fully.

To apply by aerosol

1. Shake the can vigorously.
2. Test on a blank to ensure good flow quality, uniformity, and compatibility.
3. At a distance of 15 to 25 cm (6 to 10 in), spray a thin and even coat onto a vertical surface. For best results, start your movement off-surface, press the trigger, and only release off-surface at the end of the stroke. Use a uniform movement of the spray gun parallel to the surface.
4. Wait 2 minutes, shake can, and spray another coat if required. The delay avoids trapping solvent between coats.

To cure at room temperature

- Let air dry for at least 24 hours

TIP! For best results, apply at room temperature around 22 °C [72 °F]. High temperature and humidity can cause surface blushing.

Packaging and Supporting Products

Stock Colors

Category	*Swatch*	*Color*	*Code*	*Cat. No.*	*Gloss Value at 60° (GU)*
Whites		White	K1285	XS1952-340g	75
Metallics		Clear Anodized	K00000	XS0876-340g	37
Browns		Rideau Brown	K71273	XS0315-340g	37
		Brown Metallic	K7390	XS1177-340g	30
		Rideau Brown	K00000	XS0103-340g	37
		Autumn Brown	K70256	XS2175-340g	60
		Rideau Brown	K71273	XS0315-340g	37
Bronzes		Bronze	K71232	XS0783-340g	14
		Light Bronze	K70632	XS1080-340g	18
		Medium Bronze	K70633	XS0778-340g	15
		Dark Bronze	K70634	XS0787-340g	-17
		#40 Bronze	K00000	XS0866-340g	30
Blacks		Flat Black	K90212	XS0195-340g	5
		Black Satin	K90519	XS0640-340g	22
		Semi-Gloss Black	K90421	XS0870-340g	35

Custom Colors

For customer colors, see contact information below:

Email: saleseast@mgchemicals.com
Phone: +(1) 800-340-0772

Supporting products for Cleanup

- *Acetone*: Cat. No. 434-1L, 434-4L
- *Thinner*: Cat. No. 435-1L, 435-4L

Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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Warranty

M.G. Chemicals Ltd. warranties this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

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