

PURE REFLECTIONS®
TECHNICAL DATA INFORMATION
DATED: OCTOBER 2022

PRODUCT NUMBER DESCRIPTION – 3.5 VOC

#545P-01	High Solids (HS) PREMIUM Clearcoat		Gallon
#546P-04	HS Spot PREMIUM Activator - Fast	(65° - 75°F)	Quart
#547P-04	HS Panel PREMIUM Activator - Medium	(75° - 85°F)	Quart
#548P-04	HS Multi-Panel PREMIUM Activator Slow	(85°+F)	Quart

PRODUCT DESCRIPTION

#545P is a high quality, ultra-high solids, easy to use, durable Acrylic Urethane clearcoat to help Shop's become more productive. Provides a high build, outstanding gloss direct from the gun, excellent flow, leveling and UV resistance in a true 2 coat clearcoat. Crystal clear with exceptional cut and buff properties. Unique proprietary anti-static formula minimizes dust attraction while drying! For a variety of jobs, small to overall refinishing.

BASECOAT

Apply basecoat per manufacture's mixing and application instructions. Allow sufficient flash times before applying #545P clearcoat. Inadequate flash time will affect the performance of the clear.

MIXING DIRECTIONS

Mix 4 parts #545P Premium HS Clear with 1 part #546P, #547P, or #548P Premium Clear Activator by volume. Activator selection should be based on the size of part to be painted and the booth temperature at the time of painting.

#545P Premium Clear for use ONLY with: **#546P, 547P and 548P (Purple labels).

**Cure times of these activators are the same under identical environmental and film build conditions.

SURFACE PREPARATION

Use a compliant version in your area, Wax & Grease Remover to clean substrates free of grease, dirt and foreign contaminants.

APPLICATION DIRECTIONS

- Apply 2 medium wet coats at approximately 3 mils wet per coat. A maximum of 2.6 to 2.8 mils dry film build is strongly recommended. Excessive film build can cause die-back and other issues.
- Surface and air temperatures should be between **70°F and 95°F**. Temperatures below **70°F will result in longer dry and cure times. As with all 2K Urethanes, if temperatures are below 60°F the product will not properly cure.**

DRY / FLASH TIMES AIR DRY AT 77° F

FLASH BETWEEN COATS	5-10 MINS
DUST FREE	30-45 MINUTES
TACK FREE	40-60 MINUTES
CUT & BUFF	12-24 HOURS
TO DELIVER	16-24 HOURS

FORCE DRYING

FLASH BEFORE FORCE DRY	10-15 MINUTES MINIMUM
FORCE DRY TIME	40 MINUTES AT 140° F
SAND & BUFF	AFTER 2 HOUR COOL DOWN

GUN SETUPS

CONVENTIONAL

Gravity Feed	1.3mm – 1.4mm
Siphon Feed	1.3mm – 1.4mm

NOTE: Due to ultra-high solids, it is NOT recommended to use a tip size greater than 1.4mm.

AIR PRESSURES

CONVENTIONAL at Gun

Gravity Feed	30-40 psi
Siphon Feed	35-45 psi
HVLP at Cap	8-10 psi

RECOATING

#545P clearcoat may be recoated after a 16-24 hour air dry at 77° F or after 2 hour cool down after force drying at 140° F for 40 minutes. In some cases where film build is too heavy, recoating can result in wrinkling and/or intercoat adhesion failures. To minimize the risk of wrinkling and intercoat adhesion problems, sand the clear coat after 24 hours and let it breath for an additional 24 hours. Clean and sand the surface before recoating. Total dry film thickness after cutting and buffing should not exceed 3 mils.

BLENDING Dry edges can be melted in by lightly misting a coat of Retarder Blender on the blend area.

BUFFING

Allow at least 12 hours air dry at 77°F before buffing, or 2 hour cool down after force drying #545 clear. Temperature, humidity and film thickness will affect buff times.

FISHEYE ELIMINATOR

The use of fisheye eliminator is strongly discouraged.

STORAGE

NOTE: Due to ultra-high solids, #545P should be stored above 70°F. The product will become too thick and require up to 5% reduction if stored below 70°F.

CLEAN-UP

Clean spray equipment immediately after use with urethane reducer, lacquer thinner or Zero VOC solvents compliant in your marketplace.

POT LIFE: 2-3 Hours at 77°F.

TECHNICAL DATA

Clear: 2 parts using #545P Premium
Hardeners: 1 part #546P, #547P, or #548P
Color: Water White
Viscosity (RTS): 20 - 24 seconds #2 Zahn
Weight Solids (as Mixed): 47.4%
Volume Solids (as Mixed): 41.7%
VOC Regulatory Kit (RTS) 414-417 g/l
VOC Actual Kit (RTS) 326 g/l
VOC Regulatory Clear (RTS) 456 g/l
VOC Actual Clear (RTS) 333 g/l
VOC Regulatory Activator (RTS) . 283-321 g/l
VOC Actual Activator (RTS) 247 g/l
Film Build: approx 3 mils per full wet coat
Coverage: 669sq ft per RTS mixed gallon @ 1 dry mil
Pot Life: 2-3 hours
V.O.C: 3.5 lbs/gal
Disposal/Safety: See SDS for this product
Humidity Resistance: Excellent
Salt Spray Resistance: Excellent
NOTE: ABI/Autobody Brands International products are not recommended for use in temperatures below 60° F. Use below these temperatures will affect dry times and performance.

SAFETY INFORMATION - FOR INDUSTRY USE ONLY

PHYSICAL APPEARANCE : Liquid

IMMEDIATE CONCERNS : DANGER! Flammable liquid and vapor. May cause eye, skin and respiratory tract irritation. May cause asphyxiation, or brain, lung or other organ injury if inhaled, swallowed or absorbed by the skin.

HAZARDOUS WARNING LABEL: DANGER! FLAMMABLES! Highly flammable liquid and vapour. Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure. PRECAUTIONARY STATEMENTS: Obtain special instructions before use. Ground / bond container and receiving equipment. Use explosionproof electrical/ventilating/lighting equipment. ie only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust / fume / gas / mist / vapours / spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this

product. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. **IF SWALLOWED: Call a POISON CENTER or doctor / physician** if you feel unwell. **IF ON SKIN:** Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. **IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing and rinse skin with water/shower. **IF IN EYES:** Rinse cautiously with water for several minutes and remove contact lenses, if present and easy to do. Continue rinsing. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. In case of fire: Use chemical extinguisher or chemical foam extinguisher for extinction. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Dispose of contents/container to proper regulations. **INGESTION :** Do not induce vomiting, and seek immediate medical attention. Do not attempt to give any liquids if victim is unconscious. **KEEP OUT OF REACH OF CHILDREN!** Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition. **NOTES TO PHYSICIAN:** If the victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube. **Emergency telephone number: US 1-800-424-9300 / Canada: (001) 703-527-3887 Monday to Friday 24/hrs day.**

KEEP OUT OF REACH OF CHILDREN.

ABI/Autobody Brands International a division of IAMG/International Autobody Group
1-87-REFINISH or www.purereflectionscoatings.com

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