Commercial Performance Coatings

HSP-2128 (FOR USE WITH HSP-211 AND UA11)

CPC 53

2.1/2.8 VOC Tintable Polyurethane Primer

PRODUCT DESCRIPTION

HSP-2128 2.1/2.8 LOW VOC TINTABLE POLYURETHANE PRIMER Component A	HSP-211 CATALYST FOR HSP-2128 PRIMERS Component B	UA-11 URETHANE ACCELERATOR Component C

TYPE: Polyurethane

RECOMMENDED USE

HSP-2128 is a high performance polyurethane primer which conforms to 2.1 lbs/gal. VOC limits in acetone exempt regulated areas, and to 2.8 lbs./gal. VOC limits in non-acetone exempt regulated areas. HSP-2128 is heavy metal free, and has excellent adhesion over a wide variety of metal and other substrates. HSP-2128 may be topcoated with all Commercial Coatings VOC compliant topcoats.

HSP-2128 is custom tinted by the distributor to any shade desired with the Commercial Coatings Color Accurate™ tint system. Tint ratio is 2 oz of tint to 100 oz. HSP-2128 primer base. HSP-2128 is particularly suited for application over sandblasted metals, or anywhere superior film build, fast dry and superior corrosion resistance are required. Examples include castings, hot rolled steel, and fabrications. HSP-2128 primer is sold in easy-to-mix kit form.

PHYSICAL CONSTANTS

WEIGHT PER U.S. GALLON (MIXED)
(varies by color) 11.4-11.6 lbs./gal.

PERCENT SOLIDS BY WEIGHT (MIXED)
(varies by color) 74.5-75.5

PERCENT SOLIDS BY VOLUME (MIXED)
(varies by color) 57.5-59.5

FLASH POINTS

HSP-2128	Pensky-Martens	1°F (-17°C)
HSP-211	Pensky-Martens	334°F (168°C)
UA-11	Pensky-Martens	96°F (36°C)

VOC (MIXED) <2.1 lbs./gal (acetone exempt areas)
<2.8 lbs./gal. (non-acetone exempt areas)

READY TO SPRAY VISCOSITY (varies by color) #3 Zahn 10-20 seconds #2 Zahn N/A

PERFORMANCE FEATURES

96 HOUR HUMIDITY RESISTANCE
Excellent

ADHESION
Excellent

IN SERVICE TEMPERATURE LIMITATIONS
300° F

CHEMICAL/SOLVENT RESISTANCE

10% SULFURIC ACID	Excellent	10%HYDROCHLORIC ACID	Excellent
10%AMMONIA	Very Good	10%SODIUM HYDROXIDE	Excellent
XYLENE	Excellent	ISOPROPYL ALCOHOL	Excellent
OIL	Excellent	GASOLINE	Excellent
500 HOURS SALT SPRAY	Excellent		

WATER RESISTANCE: Resistant to intermittent exposure. **Not recommended for immersion**

SURFACE PREPARATION

For optimum performance, surface to be coated should be sanded, free of all contamination, including dust, dirt, oil, grease and oxidation.

Metal	Recommended Topcoat	Direct To Properly Treated Substrate
Cold Rolled Steel	AUE-280, AUE-300, AUE-350, AUE-400LG, AUE-280LG	Excellent
Hot Rolled Steel	AUE-280, AUE-300, AUE-350, AUE-400LG, AUE-280LG	Excellent
Galvanized	AUE-280, AUE-300, AUE-350, AUE-400LG, AUE-280LG	Excellent (See Note)
Galvaneal	AUE-280, AUE-300, AUE-350, AUE-400LG, AUE-280LG	Excellent
Aluminum	AUE-280, AUE-300, AUE-350, AUE-400LG, AUE-280LG	Excellent

Note: Galvanized surfaces will need chemical treatment or a conversion coat such a PLC-900 for exterior and/or harsh environments.

Plastic/Fiberglass	Surface should be free of all contamination. Because of the variability of plastic/fiberglass substrates, coating performance should be confirmed on the actual plastic/fiberglass substrate being used.

APPLICATION DATA

MIXING DIRECTIONS

Stir thoroughly before and occasionally during use.

FOR A ONE-GALLON RTS KIT: To each gallon (102 oz. net) of tinted HSP-2128, add the entire contents of a one quart (20 oz. net) container of HSP-211 catalyst, and 6 oz. Of UA-11 accelerator.

FOR 1 QUART RTS: Mix 25.5 oz. Tinted HSP-2128 to 5 oz. HSP-211 to 1.5 oz UA-11.

NOTE: Moisture contamination in components can result in poor properties of applied films or gelation of the material. Do not open until ready to use. **DO NOT USE LACQUER THINNERS FOR CLEANING LINES.**

THINNING

For improved application properties and pot life, thinning is recommended between 10% - 25% by volume with Acetone.

NOTE: TO REMAIN WITHIN STATED VOC LIMITS IN NON-ACETONE EXEMPT AREAS (2.8 LBS./GAL.), DO NOT EXCEED 10 oz ADDED ACETONE TO EACH RTS GALLON.

PPG DT series urethane reducers may be used up to 25% by volume in non-VOC regulated areas.

POT LIFE

1.5-2 hours at 75°F thinned 10% by volume with Acetone. Additional acetone may be added for longer pot life. Do not exceed 25% acetone reduction by volume in non- VOC regulated areas. Mix only enough material that can be used in two hours or less. **Note: Higher temperatures will shorten pot life.**

RECOMMENDED WET FILM BUILD (Mixed)

Spray Application: 3.5 to 4.5 mils

RECOMMENDED DRY FILM BUILD

2.0 to 2.5 mils

Film in excess or below these recommended film builds may cause problems such as poor adhesion, solvent popping, runs, sags, or extended dry times.

APPLICATION EQUIPMENT

Conventional Spray: 55-65 psi at the gun.

DRYING TIME

3.5 to 4.5 mils wet at 77°F (25°C) and 50% relative humidity.

To Touch:	45 minutes
Handle: *	2 hours
Dry: **	8 hours
To Topcoat:	After 1 hour, before 4 days

* This condition does not mean that the paint film has reached full cure. It is a stage where handling can be achieved without loosening, wrinkling or otherwise marring the film under minimal pressure from fingers or hands. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

**Application of film thickness in excess of that recommended for this product will substantially extend dry time and lengthen the recoat window.

RECOMMENDED SPREADING RATE

922-954 sq. ft. at 1.0 mil dry film per U.S. gallon (varies by color). Spreading rate figures do not include losses due to thinning, transfer, application of coating, or losses due to surface irregularities or porosity.

CLEAN UP

PPG Urethane Reducer or Acetone. **Do not use Lacquer Thinner. Moisture and/or alcohol content of Lacquer Thinner may cause gelling or thickening of material remaining in lines and spray guns.**

APPLICATION PRECAUTIONS AND LIMITATIONS

Apply only when air, product or surface temperature is above 50°F (10°C) and when surface temperature is at least 5°F (3°C) above the dew point. Brush and roller application is not recommended

To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Distributor for the most up-to-date information

SAFETY

These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public.

Safe application of paints and coatings requires knowledge of equipment materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness. Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers. Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.

PRECAUTIONARY INFORMATION

Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

KEEP OUT OF THE REACH OF CHILDREN

MEDICAL RESPONSE : Emergency Medical or Spill Control Information (304) 843-1300. CANADA (514) 645 - 1320 Have label information available. **MATERIAL SAFETY DATA SHEET Material Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG Distributor. FOR ADDITIONAL INFORMATION REGARDING THIS PRODUCT, SEE THE MSDS AND LABEL INFORMATION.**

PPG Industries

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