GLASSPRIMER™

GLASSPRIMER™ High Performance Glass Coatings **Version:** 01/07/2001 **Revised:** 10/04/2011

GPWB128® WATERBORNE GLASS COATING

PRODUCT DATA SHEET (PDS)

Product Description

GPWB128® is a low VOC, low odor, self-priming/permanent-bonding waterborne glass coating suitable for use on interior architectural glass surfaces. GPWB128® uses industry leading Nano-tech bonding properties. GPWB128® can be applied to glass surfaces by spraying, rolling, or brushing. GPWB128® has low re-coat time and fast cure time. GPWB128® has excellent performance characteristics, such as flow, leveling, weathering, and film hardness. GPWB128® is available in neutral and white tint bases with a wide range of color match capabilities by Glassprimer™ TrueColor® technology.

Use Limitations

Only apply when air temperature is above 40ºF (4ºC) and glass surface temperature is at least 5ºF (3ºC) above the dew point. Do not use in areas with intense UV light exposure (recommended for indoor use). Warranty does not apply for use in high moisture environments.

Glass Surface Cleaning

Thoroughly spray/saturate glass surface with 70/30 isopropyl rubbing alcohol and then scrub the entire glass surface with #000 or #0000 steel wool. This ensures all possible impurities that could be impregnated into the glass surface have been removed. Next, clean glass surface with the same alcohol and new paper towels until dry (do not use lint free paper towels). Make sure glass has a squeaky clean feel/sound to the surface while being wiped dry.

Technical Data

Packaging: 1 gal (3.78L). (short filled for adding colorant)
VOC: 1.67 lbs/gal (200 g/L)
Viscosity: 85-125 ku
Weight per gal: 13.2 lbs (5.99 kg)
Mixing ratio:
4 parts GPWB128® paint/1part GPWBC128® catalyst
Thinning: 2 parts distilled water
Dry Film Thickness: 2.5 mil min/5.5 mil max
Coverage: up to 265 sq ft/gal (24.6 sq m)
Pot Life: 15 hours
Clean up: water
Shelf life: GPWB128® 3 years/GPWBC128® 2 years unopened
Storage: store in a dry place, store at general indoor room temp

Tinting and Base Information:
GPWB128® can only be tinted with GPWB128® colorants due to the products Nano-tech properties. Color formulas require GPWB128® white tint base or GPWB128® neutral tint base depending on color. Many paint mfg color formulas can be generated through Glassprimer™ TrueColor® technology.

Drying Schedule
Optimal Condition: 120°F(49°C)50% humidity
Touch: 20 mins
Handle: 4 hours
Re-coat: 2 hours min / 20days max
Full Cure: Generally 24-72 hours in optimal conditions.
***note:** curing time can take up to 20 days if conditions are not optimal. Curing time will become substantially longer if the paint is applied in film thickness greater than our recommendations. A good field test to determine if the paint is cured enough for install is what is refereed to as a finger nail test: Press your finger nail into the painted surface with force. If you can see any indentation in the paint after you remove your finger, the paint needs more time to cure. If the painted surface feels hard like the glass surface with no visible indent, it is generally ready for install.
Resistance to UV light: ok
Resistance to heat: 350°F(176.7°C)

Resistance to Solvents and other Chemicals

- Excellent resistance to Isopropyl alcohol
- Excellent resistance to 10% Sulfuric Acid
- Excellent resistance to 10% Ammonia
- Excellent resistance to Gasoline
- Excellent resistance to Oil
- Excellent resistance to 10% Hydrochloric Acid
- Excellent resistance to 10% Sodium Hydroxide
- Very Good resistance to 500 Hours Salt Spray
- Good resistance to Xylene
- Good resistance to Water, but immersion not recommended

Application Details

Spray: HVLP cup gun, gravity or suction feed
Tip size: 1.5-2.0mm
Pressure: 40-120 psi

Roller: mohair roller
Brush: natural bristle

Spread Rate
mils wet: 3.0 min/8.0 max
mils dry: 2.5 min/5.5 max

Use/Install Instructions

Mix GPWB128® paint thoroughly before mixing with GPWBC128® catalyst. Add 1 part of GPWBC128® catalyst to 4 parts of GPWB128® paint and mix well. Once mixed let paint stand (digest) for 5 minutes before spraying. Pour paint through paint strainer before use. Air spraying is the most recommended application method.

Install adhesives: Once fully cured, GPWB128® is compatible with neutral cure (acid free) silicone glue, and double sided glazer tape. (Not recommended to be installed with mirror mastic)
***note:** Read all labels, warning labels and Material Safety Data Sheet (MSDS) information prior to use. MSDS is available through www.GlassPrimer.com or request MSDS through e-mail at msds@glassprimer.com

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