



PUFFIN HYDROFINISH PRIMER

Puffin Hydrofinish Primer is a water-based primer for iron and wood with effective anti-rust and anti-tannin function, very elastic and had excellent in adhesion between substrate and topcoat, suitable for primer coat in iron and woods for puffin Hydrofinish topcoat ,

1. Properties.

COLOR	White
GLOSS LEVEL	Satin (30-60)
FILM THICKNESS, DRY(μm)	30 – 40
FILM THICKNESS, WET(μm)	80 - 100
THEORETICAL SPREADING RATE (M^2/L)	8-10
SOLIDS (VOL %)	$43 \pm 3\%$
SPECIFIC GRAVITY (gr/cc)	1.30
FLASHPOINT	N/A
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Features and Benefits

- LOW VOC, Water Base
- Fast dry
- Anti – Rust
- Anti tannin
- Easy for using
- Environment friendly

3. Recommended Use

This product can be using as primer in application on iron, wood, concrete before be top coat with puffin Hydrofinish topcoat

4. Characteristics

Suitable for: as primer for in application on iron, wood, concrete before be top coat with puffin Hydrofinish topcoat

5. Usage

- | | |
|-------------------------|--|
| 1) Surface preparation: | To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination. |
|-------------------------|--|

6. APPLICATION

Application Condition	: 25 - 35°C, 60 – 80% RH
Guiding data airless spray	: Pressure at Nozzle 140 -190 kg / cm ² (2100 psi)
Nozzle Tip	: 0.021"-0.027"
Spray Angle	: 65' – 80'
Substrate	: Metal, Wood, Wall, and Galvanized
Thinner	: Water
Thinning ratio by volume	: 10 - 30%
Pot life of mixture	: N/A
Wet Film Thickness (WFT)	: 80 - 100 micron
Theoretical Coverage	: 9 – 10 m ² /Lt. at DFT 30 – 40 Micron
Mixing Ratio (Volume)	: Paint is ready to use after proper stirring if thinning is required clean water may be added up to maximum of 20%
Drying time	: Depends to air circulation, temperature, film thickness, and number of coats, and will be affected correspondingly

7. FILM PROPERTIES

Drying Time

- Dust Free : 40 – 60 minutes
- Tack Free : 90 - 120 minutes

Packing Time : 8 Hours

Adhesion Cross Cut Tape Test : Point 4B (good) on metal / wood / wall / galvanized

8. OTHERS

Shelf Life : Up to two years when stored in a tightly sealed original container, placed in a cool and dry environment.

Storage and Handling : Store in good ventilation room temperature

9. SURFACE PREPARATION

- The surface must be clean, dry and free from oil.
- Clean the surface from oil, grease, or dirt using a suitable solvent or method such as a wire brush, steel wool, or sandpaper. For oak wood, use sandpaper with grit no. 120–150; for metal, rubber, and lamin wood, use grit no. 150–180; and for cherry wood, start with grit no. 180 followed by no. 240.

10. APPLICATION INFORMATION

- Mix well the **Puffin Hydrofinish Primer** before use it
- Use even coat of **Puffin Hydrofinish Primer** by spray, brush or roll at wet film thickness 80 – 100 micron.
- After 3–4 hours of drying time, gently smooth the surface with no. 400 sandpaper.
- Apply another even coat of **Puffin Hydrofinish primer**

11. CONDITION DURING APPLICATION

Apply at a temperature between 10°C and 35°C, Temperature of substrate should be minimum 3°C above the dew point of the air, the temperature and relative humidity should be measured in vicinity of substrate

12. RECOMMENDED COATING SYSTEM

No	Process Finishing	Type Product		Recommended Coating	Application
		On Wood	On Metal		
1	Base Sander	Sand Paper #240	Sand Paper #180	-	-
2	Wood Putty	PUFFIN WOODSPUTTY	-	1x	Kape
3	Base Coat	HYDROFINISH PRIMER	Hydrofinish Primer or AP-291	2x	Spray
4	Top Coat	Hydrofinish Top Coat	Hydrofinish Top Coat	1x	Spray

13. **Packing:** 1 Kg, 2,5 Kg, 20kg