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TECHNICAL DATA SHEET

XB Primer Pro, N285-G

PRODUCT DESCRIPTION

XB Primer Pro is a high-performance, waterborne, monocomponent anti-yellowing base coat designed for wood applications. When using XB Primer Hardener this advanced primer effectively mitigates tannin, preventing yellowing and ensuring a uniform finish. With excellent covering power and outstanding knot-blocking properties, XB Primer Pro provides a superior base for subsequent coatings and performs well on doors underneath the sink.

PRODUCT FEATURES

- **Anti-Yellowing Technology**
- **Increased Knot-Blocking Properties that mitigate the release of tannins**
- **Excellent Covering Power**
- **Water repellent technology**
- **Water-Based and Eco-Friendly**
- **Easy to Sand**

PRODUCT USES

- Engineered for indoor wood cabinetry, baseboards, and crown molding.
- Suitable for use on bare wood, especially coniferous woods prone to knot bleeding.
- Ideal for residential, commercial, and retail wood applications.

TYPICAL PROPERTIES

Property	Value
Finish Type	Waterborne Monocomponent Base Coat
Color	White (dry)
Solids Content	Approx. 40.0 ± 2%
VOC	<100 g/l (approx.)
Weight/Gallon	10.1 lbs/gal
Flash Point	>200°F
Odor	Mild, non-offensive

Property	Value
Clean Up	Water
Coverage Rate	400 - 650 sq ft/gal
Application	HVLP, Spray
Shelf Life	1 year
Storage/Transport	41°F - 95°F (5°C - 35°C)
Disposal	Dispose according to local regulations

Drying Time

- **Until Ready for Recoating:** 4-6 hours*
- **Fully Cured:** Dependent on topcoat used

*Drying times may vary based on environmental conditions such as temperature and humidity.

APPLICATION PROCEDURES

Preparation

1. **Surface Preparation:**
 - Sand bare wood with 150-grit sandpaper, followed by 180-grit for a smooth finish.
 - Remove all dust using compressed air or a tack cloth.
2. **Product Preparation:**
 - XB Primer Pro is ready to use.
 - If necessary, dilute with up to 5% water.

Application Methods

Paintbrush Application

1. Use a high-quality brush suitable for water-based products.
2. Apply an even coat following the grain of the wood.
3. Allow to dry for 4-6 hours before recoating.

Spray Application

1. **Equipment:** Use an HVLP sprayer compatible with water-based products.
2. **Settings:**
 - **Fan Width:** 4 - 7 inches

- **Air Pressure:** High
 - **Needle Size:** #3 Needle or higher (1.5mm or higher)
 - **Product Volume:** 2-4 full turns from fully closed
 - **Spray Temperature:** 60F-80F(15.5 C – 26.6 C)
3. **Technique:**
- Maintain a distance of 4-6 inches from the surface.
 - Use a 50% overlap to ensure even coverage.
4. **Coats:**
- Apply up to two coats.
 - Apply 70-100 g/sqm per coat.
5. **Drying Between Coats:**
- Wait 4-6 hours before applying the next coat.
 - If more than 6 hours have passed, sand with 280-320 grit sandpaper before recoating.

Recoating

- Before applying topcoat finishes, ensure XB Primer Pro is thoroughly dry.
- Lightly sand the primed surface with 280-320 grit sandpaper for optimal adhesion.

RECOMMENDED SYSTEMS

Bare Wood (non-tannin) Surfaces

1. **Primer:** Apply 2-3coats @ 2-3 wet mils per coat of XB Primer Pro.
2. **Topcoat:** Tint base followed by top coat of your choice

Bare Wood (tannin) Surfaces

1. **Primer:** Apply 2-3coats of XB Primer Pro.
 1. **First coat,** 2-3 wet mills of XB Primer Pro. with 5% XB Harder for coat one
 2. **Second Coat,** 2-3 wet mills of XB Primer Pro.
2. **Topcoat:** Tint base followed by top coat of your choice

Refinishing Previously Coated Wood Surfaces

1. **Surface Preparation:** Remove any wax, polish, or oily residues. Sand the surface to remove the old finish if necessary.
2. **Primer:** Apply 1-2 coats of XB Primer Pro.

3. **Topcoat:** Tint base followed by top coat of your choice

STORAGE AND HANDLING

- **Shelf Life:** 1 year in unopened containers.
- **Storage Conditions:** Store at temperatures between 35°F and 95°F (5°C and 35°C).
- **Handling:** Protect from freezing. Stir well before use.

SAFETY AND REGULATIONS

- **Disposal:** Dispose of contents and container in accordance with local regulations.
- **Safety Precautions:** Use appropriate personal protective equipment. Ensure adequate ventilation during application and drying.

LEGAL NOTICE

The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is the responsibility of the user to test the product for suitability in the intended application and to comply with all applicable laws and regulations. We do not accept liability for any loss or damage that may occur from the use of this information.