

546-74XX ProVinyl® Vinyl Primer

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|-----------------------|------------------------------------|-----------------------------|---|
| Product codes: | 546-7400 White 546-7401 Neutral | Viscosity | Zahn #2 signature cup 27 - 29 seconds at 77°F |
| | | Flash Point: | 21.2°F (-6°C) |
| | | Density (lb/gal): | 9.02 - 9.22 |
| | | Solid (% by weight): | 39% - 40% |
| | | Solid (% by volume): | 19% - 22% |
| | | Shelf Life (months): | 12 |

Product Description:

ProVinyl Vinyl Primer is a primer that is used where excellent moisture resistance and adhesion is important. This product provides excellent build and hiding as well as very good moisture barrier.

Uses:

This product is recommended for priming kitchen cabinets, vanities as well as many other interior wood applications where adhesion or moisture may be a concern.

Environmental Data (as supplied):

| | |
|--------------------------------|------|
| VOC less exempt lb/gal: | <5.6 |
| VOC lb/gal: | <5.6 |
| VOC less exempt g/l: | |
| VOC g/l: | |
| VOC lb/lb Solid: | <1.6 |
| VHAPs lb/lb Solid: | <0.5 |

Note:

N/A

Application Data

Suggested Uses:

Wood Primer

Mixing Ratio:

100 parts 546-7400 or 546-7401 to 3 parts 873-1229
This product can be used without catalyst. Catalyst can be added for improved performance properties.

Suggested Uses:

8 hours

Application Viscosity:

Zahn #2 signature cup 18 -22 seconds at 77°F

Reducer:

800-5301 or 800-5531

Retarder:

800-5328

Clean-up Solvent:

800-5500 or 800-1298

Recommended Wet Film:

3 - 5 mils

Coverage:

307 ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

N/A

Directions for use:

Surface Preparation:

Substrate must be sanded using 120, 150 or 180 grit stearated paper prior to coating. ProVinyl Vinyl Primer should be sanded with 280/320 grit stearated paper prior to being coated and the next coat must be applied within eight hours of sanding. ProVinyl Vinyl Primer cannot be used on metal, old oil or cellulose lacquers.

General Information:

Agitate material before use. Always mix ProVinyl Vinyl Primer while adding reducers in the recommended levels. ProVinyl Vinyl Primer must be agitated thoroughly at all times to ensure product consistency. Apply at 3 – 5 mils wet sanded substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit stearated paper. ProVinyl Vinyl Primer uncatalyzed can be topcoated with only pre-catalyzed topcoats. ProVinyl Vinyl primer catalyzed can be topcoated with Pre-Catalyzed or Conversion Varnish topcoats.

Maximum film build of ProVinyl Vinyl Primer should not exceed 2 mils dry. Contact with metal surfaces should be avoided. ProVinyl Vinyl Primer must not be polluted with oil, varnish or the like and must not be sanded with steel wool between coats. ProVinyl Vinyl Primer must not be used and dried at temperatures below 64°F or relative humidity above 65%. During the curing process, the coating must not be exposed to ammonia vapors. Ammonia cleaners should not be used for cleaning the finish surfaces. This may accelerate discoloration.

THE CUSTOMER IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDED APPLICATION PROCEDURES. FAILURE TO ADHERE TO THE RECOMMENDATIONS GIVEN IN THIS DATA SHEET WILL LIKELY RESULT IN UNSATISFACTORY FILM APPEARANCE OR FILM FAILURE. THE COMPLETE COATING SYSTEM SHOULD BE CHECKED FOR REQUIRED PROPERTIES PRIOR TO THE START-UP OF PRODUCTION

Drying Times:

| | Room Temperature (20°C / 68°F) | Forced Drying Schedule (50°C / 122°F) |
|-----------------|-----------------------------------|--|
| Tack Free Time: | 10 - 15 minutes | Flash off before entering oven |
| Dry to Sand: | 45 - 60 minutes | 3 hours |
| Dry to Stack: | 20 - 30 minutes | 60 - 90 minutes |

Note:

N/A

Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures. Minimum curing temperatures of 64°F/18°C must be maintained throughout the curing cycle to achieve the film integrity as stated in product features.

These products are designed for industrial use only. AkzoNobel views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

Values shown are calculated estimates and should not be construed as product specifications. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and users assume all responsibility and liability for loss or damage arising from the use of our products whether used alone or a combination with other products. Use of unapproved or reclaimed solvent blends may reduce film properties and is not recommended.

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