



D18 ULTRAPRIME™ HAPs Free Neutral Post-Catalyzed Primer

D18 ULTRAPRIME™ is KCI's next generation primer. It is a HAPs free, ultra-low formaldehyde, solvent borne, two component primer based on water-white technology. It exhibits exceptionally fast dry, high filling and is easy to sand. This product is used as a deep colour primer under dark coloured topcoats. D18 ULTRAPRIME™ has been specifically designed to be used in combination with the D9N Series SUMMIT™ Neutral Conversion Varnish as part of a high-quality interior wood finishing system.

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| <p>SUGGESTED APPLICATIONS</p> <ul style="list-style-type: none"> • Interior trim and millwork • Office furniture • Household furniture • Cabinets • Kitchen and bath components • High demand furniture <p>KEY PERFORMANCE FEATURES</p> <ul style="list-style-type: none"> • HAPs Free • Excellent MDF adhesion • Quick to dry and sand • Ultra-low formaldehyde • Chemical and moisture resistance • High hiding • Excellent flow and levelling • Excellent filling properties • Easy sanding <p>RELATED PRODUCTS D9N Series SUMMIT™ Neutral Conversion Varnish 844 Series Colourants</p> | <p>PHYSICAL PROPERTIES</p> <table> <tr><td>Available Sheens</td><td>n/a</td></tr> <tr><td>Weight Solids</td><td>60% ± 2</td></tr> <tr><td>Volume Solids</td><td>45% ± 2</td></tr> <tr><td>Viscosity</td><td>100-120" @ 25°C Ford 4</td></tr> <tr><td>Specific Gravity</td><td>1.21 ± 0.1 gms/cc @ 25°C</td></tr> <tr><td>VOC</td><td>484 g/l</td></tr> <tr><td>Typical coverage</td><td>10-12 m² / ltr @ 1 mil dry</td></tr> </table> <p>ADDITIONAL CHARACTERISTICS</p> <table> <tr><td>Catalyzation</td><td>10% by volume of 1CAT Catalyst</td></tr> <tr><td>Pot-Life</td><td>8-12 hrs at room temp.</td></tr> <tr><td>Reduction</td><td>10-20% by volume T4409 Lacquer Thinner</td></tr> <tr><td>Retarder</td><td>n/a</td></tr> <tr><td>Clean-up</td><td>CA4420 Gun Wash</td></tr> <tr><td>Shelf-life</td><td>1 year from date of manufacture</td></tr> </table> <p>Dry Times 26°C (~78°F) 50% RH</p> <table> <tr><td>To Touch</td><td>15 minutes</td></tr> <tr><td>To Sand</td><td>30-60 minutes</td></tr> <tr><td>To Stack/Pack</td><td>24 hours</td></tr> </table> <p><small>Note: Drying times will decrease at higher temperatures/lower humidity and will increase at lower temperatures/high humidity</small></p> | Available Sheens | n/a | Weight Solids | 60% ± 2 | Volume Solids | 45% ± 2 | Viscosity | 100-120" @ 25°C Ford 4 | Specific Gravity | 1.21 ± 0.1 gms/cc @ 25°C | VOC | 484 g/l | Typical coverage | 10-12 m ² / ltr @ 1 mil dry | Catalyzation | 10% by volume of 1CAT Catalyst | Pot-Life | 8-12 hrs at room temp. | Reduction | 10-20% by volume T4409 Lacquer Thinner | Retarder | n/a | Clean-up | CA4420 Gun Wash | Shelf-life | 1 year from date of manufacture | To Touch | 15 minutes | To Sand | 30-60 minutes | To Stack/Pack | 24 hours |
| Available Sheens | n/a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight Solids | 60% ± 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volume Solids | 45% ± 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Viscosity | 100-120" @ 25°C Ford 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific Gravity | 1.21 ± 0.1 gms/cc @ 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOC | 484 g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Typical coverage | 10-12 m ² / ltr @ 1 mil dry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Catalyzation | 10% by volume of 1CAT Catalyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pot-Life | 8-12 hrs at room temp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reduction | 10-20% by volume T4409 Lacquer Thinner | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Retarder | n/a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clean-up | CA4420 Gun Wash | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf-life | 1 year from date of manufacture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| To Touch | 15 minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| To Sand | 30-60 minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| To Stack/Pack | 24 hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COLOUR DEVELOPMENT – D18 ULTRAPRIME™ HAPs Free Neutral Post-Catalyzed Primer can be tinted with 844 Series Colourants up to a maximum of 10% by volume. For light and off-white colours use D38 ULTRAPRIME™ HAPs Free White Post-Catalyzed Primer (refer to TDS for instructions).

COATING PREPARATION - Ensure product is stirred well and brought to room temperature before use. Add 10% 1CAT Catalyst by volume slowly under agitation (prior to reduction). Pot-life is 8-10 hrs. at room temperature. Product may be sprayed by conventional, airless and air-assisted airless spray. D18 ULTRAPRIME™ requires 10-20% by volume reduction with T4409 Lacquer Thinner to spray.

SURFACE PREPARATION - Wood surface should be clean, dry and free from any oil or grease. Sand surface smooth with 150-180 grit sand paper. For easier primer application, seal routed MDF areas with a KCI post-cat sealer or topcoat. Allow to dry 30-60 minutes at room temperature and sand coated areas with 240-400 grit sand paper.

APPLICATION - This product is designed to be applied in ambient conditions of 12-32°C (~55-90°F) and below 50% relative humidity.

Apply D18 in full uniform coats ideally applied at a rate of 4 to 5 mils wet. Allow to dry 30-60 minutes at room temperature.

Coating should be thoroughly dried and sanded smooth before application of the topcoat. Sand with 240-320 grit professional finishing stearated, silicon carbide sandpaper. Apply desired topcoat. Proper sanding is critical to produce a smooth finish and promote adhesion between the primer and the topcoat.

Total film thickness of the finished system should not exceed 5 dry mils.

SAFETY – During application, always wear eye protection, gloves and appropriate work clothing to minimize contact. Use a respirator and safety glasses at all times when spraying. Explosion proof ventilation is required with special consideration for enclosed or confined areas. Use caution when handling flammable liquids and eliminate sources of ignition and uncovered containers from the work place. Vapours formed from this product may travel or be moved by air currents and ignited by pilot lights, light switches, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from the product.

D18 ULTRAPRIME™ HAPs Free Neutral Post-Catalyzed Primer (cont'd)

PERFORMANCE TESTING / FILM CHARACTERISTICS

All performance testing is based on a composite of ASTM, AWI, ANSI and KCMA Standards.

KCI's D18 ULTRAPRIME™ HAPs Free Neutral Post-Catalyzed Primer is made from the same high quality alkyd and amino resins found in KCI's pigmented post-catalyzed topcoats. Using this product as a seal coat does not detract from the performance attributes of the overall system. See the technical data sheet for KCI's D9N Series SUMMIT™ Neutral Conversion Varnish for detailed performance testing results.

DISPOSAL - Disposal of chemicals and their solutions should be done according to local, provincial and federal regulations. Safety Data Sheets are available and should be consulted when handling products. These products are for industrial and professional use only; Application directions must be followed.

WARRANTY – Katilac Coatings Inc. warrants that its products are free from defects in manufacture for a period of one (1) year from date of purchase, if used prior to expiration date and applied and used in accordance with Katilac Coatings' most current published specifications applicable to such products. Katilac Coatings Inc. expressly disclaims all other warranties, express or implied, including the implied warranties of merchantability and fitness for purpose. Katilac Coatings Inc. disclaims all liability for incidental, consequential or indirect damages of any nature whatsoever. This warranty cannot be changed or modified whether by course of dealing, custom or trade or otherwise, unless agreed to in writing by Katilac Coatings Inc.



Ver04/21 Supersedes all previous versions.
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