



T4421 N.G.R. Stain Base

T4421 N.G.R. Stain Base is a fast dry, ready to spray, solvent borne, spray stain base designed to be applied directly to bare wood. It has been specifically formulated to be used in conjunction with Nerosol Dye Concentrates as a primary color or intermixed as a complete stain. It can be used as a stand-alone stain or as a wood toner under any Katilac wiping or spray stains. It can be used under all Katilac clear topcoats and sealers.

<p>SUGGESTED APPLICATIONS</p> <ul style="list-style-type: none"> • Interior trim and millwork • Cabinets and furniture • General wood products <p>KEY PERFORMANCE FEATURES</p> <ul style="list-style-type: none"> • Excellent dye compatibility • Uniform appearance • Excellent clarity • Fast dry • Excellent clear coat adhesion <p>RELATED PRODUCTS 844 Series Colorants Nerosol Dye Concentrates EK, KH, KU, KV, KD and D series KCI topcoats EK6, EK8, CS-10 sealers</p>	<p>PHYSICAL PROPERTIES</p> <table> <tr><td>Available Sheens</td><td>n/a</td></tr> <tr><td>Weight Solids</td><td>n/a</td></tr> <tr><td>Volume Solids</td><td>n/a</td></tr> <tr><td>Viscosity</td><td>n/a</td></tr> <tr><td>Specific Gravity</td><td>0.8550 @25°C +/- 0.01 gms/cc</td></tr> <tr><td>VOC</td><td>n/a</td></tr> <tr><td>% Non-Volatile</td><td>n/a</td></tr> <tr><td>Typical coverage</td><td>varies according to tint load and wood species and desired appearance</td></tr> </table> <p>ADDITIONAL CHARACTERISTICS</p> <table> <tr><td>Catalyzation:</td><td>n/a</td></tr> <tr><td>Pot-Life:</td><td>n/a</td></tr> <tr><td>Reduction:</td><td>Not necessary; can use Ethyl Alcohol</td></tr> <tr><td>Retarder:</td><td>n/a</td></tr> <tr><td>Clean-up:</td><td>T4420 215 Gun Wash Universal</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>5-10 minutes</td></tr> <tr><td>To Sand</td><td>>30 minutes</td></tr> <tr><td>To Stack/Pack</td><td>n/a</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	n/a	Volume Solids	n/a	Viscosity	n/a	Specific Gravity	0.8550 @25°C +/- 0.01 gms/cc	VOC	n/a	% Non-Volatile	n/a	Typical coverage	varies according to tint load and wood species and desired appearance	Catalyzation:	n/a	Pot-Life:	n/a	Reduction:	Not necessary; can use Ethyl Alcohol	Retarder:	n/a	Clean-up:	T4420 215 Gun Wash Universal	Shelf-life:	1 year from date of manufacture	To Touch	5-10 minutes	To Sand	>30 minutes	To Stack/Pack	n/a
Available Sheens	n/a																																		
Weight Solids	n/a																																		
Volume Solids	n/a																																		
Viscosity	n/a																																		
Specific Gravity	0.8550 @25°C +/- 0.01 gms/cc																																		
VOC	n/a																																		
% Non-Volatile	n/a																																		
Typical coverage	varies according to tint load and wood species and desired appearance																																		
Catalyzation:	n/a																																		
Pot-Life:	n/a																																		
Reduction:	Not necessary; can use Ethyl Alcohol																																		
Retarder:	n/a																																		
Clean-up:	T4420 215 Gun Wash Universal																																		
Shelf-life:	1 year from date of manufacture																																		
To Touch	5-10 minutes																																		
To Sand	>30 minutes																																		
To Stack/Pack	n/a																																		

COLOUR DEVELOPMENT – T4421 can be tinted up to 5% by weight with Nerosol Dye Concentrates. Reduction is not necessary but if desired used Ethyl Alcohol. Thoroughly mix the final formulation before application.

COATING PREPARATION – Ensure that product is thoroughly mixed prior to any addition of colorant and thinners. Ensure all dyes have been mixed into solution prior to application otherwise colour variations may occur.

SURFACE PREPARATION - Wood surface should be clean, dry and free from any oil or grease. Sand surface smooth with 200 grit or sand paper to ensure proper stain penetration and adhesion.

APPLICATION – T4421 is applied by spray. Spray equipment should be operated at low volume / low pressure settings. More than one coat may be required to achieve desired appearance. Do not over apply the product. Let stain dry at least 30 minutes prior to over coating with topcoat or sealer.

T4421 can be added to any of the approved sealers and topcoats (see page 1 of this TDS under Related Products) to produce shaders or toners.

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.

T4421 N.G.R. Stain Base (cont'd)

PERFORMANCE TESTING / FILM CHARACTERISTICS

Due to a wide variety of wood, application methods and surface preparations, it is highly recommended that the complete system be tested for appearance, adhesion and compatibility prior to full scale production.

T4421 N.G.R. Spray Stain Base has been specifically formulated to be used in conjunction with KCI Pre-Catalyzed and Post-Catalyzed sealers and topcoats. If products from other manufacturers are used, the system should be thoroughly tested prior to production and is not the responsibility of Katilac Coatings Inc.

DISPOSAL - Disposal of chemicals and their solutions should be done according to local, provincial and federal regulations. Product Material 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.