



## T4421 ORACLE™ NGR Stain Base

T4421 ORACLE™ NGR (Non-Grain Raising) 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 colour or intermixed as a complete stain. It can be used as a standalone stain or as a wood toner under any Katilac wiping or spray stain. It can be used under all Katilac clear topcoats and sealers.

### SUGGESTED APPLICATIONS

- Interior trim and millwork
- Cabinets and furniture
- General wood products

### KEY PERFORMANCE FEATURES

- Excellent dye compatibility
- Uniform appearance
- Excellent clarity
- Fast dry
- Excellent clear coat adhesion

### RELATED PRODUCTS

Nerosol Dye Concentrates  
B7722 ORACLE™ Stain Enhancer  
All KCI pre-catalyzed and post-catalyzed lacquers, conversion varnishes and sealers



### PHYSICAL PROPERTIES

Available Sheens	n/a
Viscosity	10-11" @ 25°C Ford 4
Specific Gravity	0.8555 @ 25°C ± 0.01 gms/cc
Typical coverage	varies according to tint load, wood species and desired appearance

### ADDITIONAL CHARACTERISTICS

Reduction	Not necessary
Retarder	n/a
Clean-up	CA4420 Gun Wash
Shelf-life	1 year from date of manufacture

Dry Times	
26°C (~78°F) 50% RH	
To Touch	5-10 minutes
To Overcoat	30 minutes

Note: Drying times will decrease at higher temperatures/lower humidity and will increase at lower temperatures/high humidity

**COLOUR DEVELOPMENT** – T4421 ORACLE™ NGR Stain Base can be tinted up to 5% by weight with Nerosol Dye Concentrates. Reduction is not necessary.

**COATING PREPARATION** – Ensure that product is thoroughly mixed prior to any addition of colourant 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 150-180 grit sandpaper to ensure proper stain penetration and adhesion.

**APPLICATION** – T4421 ORACLE™ NGR Stain 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 KCI sealers and topcoats to produce shaders or toners. Consult your KCI Representative for detailed instruction.

**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 ORACLE™ NGR 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 ORACLE™ NGR 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. 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.



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