

NP521 Colorant TECHNICAL DATA (Pigment for NP521)

PRODUCT DESCRIPTION:

The 521 Colorant was specifically designed as a coloring agent for the NP521 water based urethane.

RECOMMENDED FOR:

Suitable for use in the NP521 urethane for interior applications over suitable primers on concrete or most areas where a color coated floor would be desired. However, thoroughly evaluate this pigment to determine suitability, compatibility or other areas of concern such as hide capabilities or other physical properties that may be affected by the use of this product.

VOLATILE ORGANIC CONTENT (typical):

White = 435 grams/liter

Black = 517 grams/liter

Charcoal Gray = 482 grams/liter

Dark Gray = 455 grams/liter

Light Gray = 439 grams/liter

Medium Gray = 443 grams/liter

Off White = 436 grams/liter

Tan = 445 grams/liter

Light blue = 470 grams/liter

Blue = 540 grams/liter

STANDARD COLORS:

Color packs are available in the colors listed above.

RECOMMENDED FILM THICKNESS:

3-5 mils with the NP521

COVERAGE PER GALLON:

300-500 square feet per gallon with the NP521

PACKAGING INFORMATION:

Color packs are available in pints, quarts or gallons (volume approximate)

MIX RATIO:

The color packs are generally added as 1 quart color pack per 1 ½ gallon kit of clear product.

SHELF LIFE:

6 months in unopened containers

ABBRASION RESISTANCE:

Abrasion resistance is based on the clear product selection. However, the addition of the color pack may reduce the abrasion resistance slightly.

ADHESION:

Generally the addition of pigment to a clear system will not have a major impact on the adhesion characteristics.

VISCOSITY:

Pourable

DOT CLASSIFICATIONS:

Not Regulated

PRIMER:

A suitable epoxy base coat is required prior to applying the colored NP521.

TOPCOAT:

None recommended

CURE SCHEDULE (70 Degrees F)

The curing of any product may be slightly modified by the addition of the color pack pigment.

Application Temperature: Although the clear product used will determine the suitable temperature ranges, we do not recommend the use of this product beyond the temperature parameters of 60-90 degrees F with relative humidity below 90%.

LIMITATIONS:

Clarity of color or gloss may be affected by high humidity, low temperatures or chemical exposure. The actual pigment packs when added to the NP521 will not usually diminish the quality of the colorfastness or UV resistance.

Slab on grade requires a moisture barrier.

Substrate temperature must be 5°F above dew point.

All new concrete must be cured for at least 30 days.

The floor surface must be thoroughly dry prior to application.

A test patch is recommended to determine the suitability of the colorant as the addition of the colorant may adversely affect physical properties, dependent on the amount or colorant added, such as tensile or compressive strength as well as other parameters such as abrasion resistance, dry time, and pot life.

When using the color packs to color, light or bright colors (white, beige etc.) it may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide.

Colors may vary from batch to batch, therefore, use only product from the same batch for an entire job.

Physical properties are typical values and not specifications.

See reverse side for application instructions.

See reverse side for limitations of our liability and warranty.

MIXING AND APPLICATION INSTRUCTIONS: NP521 WB Urethane Colorant

PRODUCT STORAGE: Store in an area so as to bring the material to normal room temperature before using.

SURFACE PREPARATION: Make certain that the substrate where the product is to be applied is clean, sound and free of all laitance, dirt, dust, oil, grease or foreign contaminants. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). Follow the manufacturer's recommendations for other requirements.

PRODUCT MIXING: We offer this product as a raw material that should be thoroughly evaluated to investigate the compatibility within the framework of the expected use. Although we can control all of the quality assurance parameters within the specifications and the manufacturing process of the color pack product, we do not have the control nor do we check the feasibility or fitness to be used with any other product. Careful evaluations and product screening is essential. The color pack may not be suitable to color other clear systems available either from NPI or from other manufacturers, and is intended for use in the NP521. Notwithstanding, the standard mixing procedures follows: Mix both the coating and the pigment base when applying colored systems using slow speed mixing equipment or by hand mixing in order to minimize air being whipped into the coating. After mixing the clear product components and after all components are mixed together, add the pigment base (after stirring) to the clear coating and again mix until uniform and streak free. Pigment packs can be added at the ratio of 1 quart per 1 ½ gallon. Multiple coats may be necessary to obtain suitable hide in some colors.

PRIMING: Apply a suitable primer prior to applying the NP521.

PRODUCT APPLICATION: Generally speaking, once the color pack is incorporated into the product, the products are usually applied by roller or brush. Be sure to apply any product at the specified coverage rate or recommended mil thickness. When temperatures are high or excessive air currents are present, coatings may tack off before full air release is achieved. If the conditions warrant, use an air release roller tool to deairate the applied coating immediately after applying the coating and before it tacks off. Always be sure to use color packs that have the same batch number for the entire job as colors may vary from batch to batch. Make certain that the floor temperature as well as the air temperature and humidity are within the recommended ranges before applying any product. As temperatures are decreased, allow for additional time for the material to cure before recoating or opening the area to traffic. In any event, if the above outline varies from the manufacturer recommendations, it is best to contact the manufacturer for additional details involving their product or review their application instructions.

RECOAT OR TOPCOATING: Follow the manufacturer's recommendations when evaluating the need to recoat or topcoat. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Before topcoating, check the coating to insure no contaminants exist such as an epoxy blush. If necessary, clean the surface prior to topcoating with a standard detergent cleaner or follow the manufacturer's recommendations.

CLEANUP: Use soap and water or a water soluble solvent before the coating dries.

FLOOR CLEANING: Caution! Some cleaners may affect the color. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

*We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO***

PREVENT BODILY HARM.

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