

Technical Data Sheet

NO VOC Water Based Dispersions

General Description

NVC Colorants are high tint strength color dispersions of quality pigments in water. These are glycol free aqueous dispersions utilizing dispersant and surfactant blends, which offer a wide range of compatibility for most waterborne systems. NVC Colorants have a minimum grind of 6.0 on the Hegman Gauge, which make these dispersions suitable for tinting semi-gloss and gloss latex enamels.

Each product is closely controlled to meet the established quality control specifications.

Available Color Physical Properties				
Code	Color	Hegman Grind	Viscosity	Weight/Gallon (Lbs./Gal)
NVC-100	TiO ₂	6.5+	88 KU	17.8
NVC-200	Red Oxide	6.5+	85 KU	17.3
NVC-210	Permanent Red	7.0	66 KU	9.4
NVC-220	Quinacridone Red	7.0	65 KU	9.5
NVC-230	Transparent Red Oxide	7.0	74 KU	12.2
NVC-300	Yellow Oxide	6.5+	83 KU	15.1
NVC-310	Transparent Yellow Oxide	7.0	75 KU	10.7
NVC-320	Permanent Yellow	7.0	82 KU	9.0
NVC-400	Burnt Umber	6.5+	102 KU	11.5
NVC-500	Phthalo Green (BS)	7.0	60 KU	10.2
NVC-600	Phthalo Blue (RS)	7.0	65 KU	9.8
NVC-610	Quinacridone Violet	7.0	62 KU	9.5
NVC-700	Black	7.0	60 KU	9.6

Compatibility

Each colorant has been tested in various water-based paints, and found to be compatible, using the following latex polymers: acrylic, vinyl acetate, polyvinyl acetate, ethylene copolymers, and styrene butadiene. NVC Colorants contain the lowest possible concentration of surfactants so they will not affect the physical properties of the finished paints.

NVC Colorants are also suitable for tinting fabric and paper coatings, latex adhesives, wax emulsion, lumber marking, leather coloring, artist's colors and paints, and many others. We do, however, recommend that you check the compatibility before actual use.

Quality Assurance

DayGlo takes great care in the selection and screening of raw materials. All pigments, vehicles and other ingredients used in the manufacture of our dispersions meet stringent performance specifications.

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

12/14/2022

Technical Data Sheet

Pigments used in NVC Colorants are the finest obtainable on the market with regard to their fastness properties. They all have good alkali resistance and can be used in cement products and plaster.

There are limitations on lightfastness and weathering properties inherent in certain pigments. These weatherability factors cannot be accurately predicted. The final properties of the finished coatings in which our AIT dispersions are used are dependent on our customers' vehicle system. We recommend that the lightfastness and weathering properties be tested under customers' performance standards.

Shelf Life Stability

Each product contains a practical level of non-mercurial biocide, which contributes to its excellent shelf stability. Most colorants also have a small amount of suspension agent to give good non-settling properties.

NVC Colorants have a balanced chemistry for the best shelf life. Most of our dispersions contain additives to give non-settling properties. Dispersions of some heavier pigments may striate with prolonged standing, however, they will disperse readily, even after months of storage.

Custom Colors

When specialized applications require specific pigments or color requirements, DAY-GLO welcomes your inquiry. Custom colors based on NVC know-how are supported through our technical and manufacturing groups. Our custom products are produced and controlled to the quality standards you specify.

Handling

NVC Colorants have flash points in excess of 200°F (PMCC). They will not support combustion in the liquid state.

Good industrial hygiene practices should be observed, and users should avoid prolonged contact with skin and breathing of vapors. NVC products should be used with good ventilation.

Packaging

NVC Colorants are available in 5-gallon pails as a standard package size; 55-gallon drums are available as well. Special bulk handling tote bins furnished by the customer can also be used