

1. PRODUCT NAME DynaFlex® Dynacolor Acrylic Color Coating

2. MANUFACTURER

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- **Long Lasting:** Premium 100% acrylic polymer fortified with reinforcing pigments provide up to 50% greater wear.
- **Sand Suspension:** Excellent sand suspension during application provides uniform appearance and playing surface.
- **Non-Fading Colors:** Pure, high quality synthetic mineral oxide pigments are used for improved color stability for years of service.
- **LEED Green Building Compliant:** Custom colors can be formulated to meet "High Albedo Coatings" requirements.

3. PRODUCT DESCRIPTION

DynaColor Acrylic Color Coating is a premium quality, highly pigmented, acrylic emulsion. The product is also formulated with a surfactant package which promotes superior adhesion to concrete or asphalt surfaces. DynaColor contains no asbestos or mercury.

Packaging:

Packaged in 5 gallon pails, 30 gallon kegs, and 55 gallon steel drums.

Color:

Refer to website for current standard and dynamic color offerings. Custom colors are also available.

Basic Uses:

DynaColor provides long wearing, non-fading color and texture to asphalt and concrete pavements including tennis, basketball and pickleball courts as well as playgrounds and walkways. For courts, mix designs can be adjusted to optimize speed of play and bounce requirements. DynaColor in custom colors meets the LEED Green Building requirements.

Composition:

DynaColor Acrylic Color Coating is a blend of binders, pigments, surfactants and reholological agents in a water based emulsion. Premium quality 100% acrylic polymers give DynaColor its tough, long wearing character.

Pure, high grade synthetic mineral oxide pigments that have been tested

for color stability and resistance to ultraviolet light give DynaColor its rich matte colors.

The surfactants blended into DynaColor create a superior bond between the product and the pavement surface.

The reholological agents allow the emulsion to maintain long shelf life and an excellent non-settling character.

Limitations:

In the liquid state, DynaColor must be protected from freezing and rain. Do not store in direct sunlight or where temperature exceeds 120°F.

4. INSTALLATION

Preparatory Work:

The surface must be structurally sound, surface cured and free from all loose or foreign matter prior to the application of DynaColor.

An asphalt recreational surface should be checked for irregularities or depressions deeper than 1/8" (birdbaths). Fill to level of surrounding surface with hot mix asphalt or Dynabinder (Product Data Sheet 261) prior to the application of DynaColor.

On a concrete recreational surface, the finish should be wood float or light broom, not steel troweled. The surface should be checked for depressions deeper than 1/8". Fill to level of surrounding surface with Dynabinder Quick Patch Binder prior to the application of DynaColor.

In addition, new concrete surfaces should be lightly abraded or lightly acid-etched and then primed with DynaPrime Primer (Product Data Sheet 159) prior to the application of DynaColor.

Note: In all cases, a vapor barrier beneath concrete surface is strongly recommended.

Methods:

DynaColor can be applied by squeegee or brush. On new tennis or basketball courts, squeegee application is the recommended method.

Mix Design:

DynaColor is a highly concentrated material intended to be mixed with water and mineral aggregate to form a ready to use color coating.

Per 55 gallons of DynaColor

Water	Sand	Yield
22-28 gal.	300-400 lbs.	90-100 gal.

All sand used should be clean, dry, pure silica sand, free of contaminants. Fine sand with an A.F.S. rating of 70 to 100 gives best results.

Application:

For use over asphalt or concrete pavements, the following application procedures are recommended for best results.

New construction of recreational surfaces often requires Dynaflex Acrylic Resurfacer (Product Data Sheet 203)

prior to color coating.

After the resurfacer or cushion underlayment has been given adequate time to dry thoroughly, DynaColor texture color coats shall be applied by rubber-bladed squeegee in a minimum of two applications (a third color coat is optional). As a result, on a smooth sand or rubber textured surface, a properly mixed, ready-to-use material will cover at a rate of 14 to 18 sq. yds. per gallon.

Coverage rates can vary with the application method and the age, texture, and porosity of the pavement to be coated.

On recreational surfaces, the speed of play desired can be increased by one additional coat of DynaColor Acrylic Color Coating diluted with water at the same rate as the Mix Design chart, but without the addition of silica sand.

Application must be made when ambient temperatures and pavement temperatures are above 50°F. Good drying conditions above 50°F are required during the subsequent 8 hours. Night time application is not recommended. It is recommended that the area over which the application is made be opened to use only after trial shows it to be dried and sufficiently cured, typically 48 hours.

Precautions:

Liquid DynaColor must be protected at all times from freezing. Keep out of reach of children. Container should be closed when not in use. Avoid breathing vapor or contact with skin or eyes. Consult specific Neyra material safety data sheet before use.

New asphalt should be allowed to cure for a minimum of 30 days prior to application and must not exhibit ribboning, crawling, nor show oil rings when 1 gallon of clean water is poured onto the surface.

New concrete pavement should be allowed to cure for a minimum of 30 days prior to application.

5. MAINTENANCE

Proper care of the finished surface will maintain the attractive appearance and prolong the service of the DynaColor coating system. Keeping leaves and other foreign matter off the surface and occasional flushing with clean cold

water will achieve good results.

6. TECHNICAL DATA

Applicable Standards:

DynaColor in custom colors meets LEED-EB Heat Island Reduction: Non-Roof Option B Low Albedo Coatings. DynaColor meets the composition and performance standards of ASTM D2833, "Architectural Paints and Coatings," when tested according to the following ASTM methods:

Drying Time:

When tested according to ASTM D1640, "set to touch" in 1 hour, dry to touch in 4 hours.

Adhesion:

When tested according to ASTM D3359A, the dried film exhibits no loss of adhesion from the substrate.

Flexibility:

When tested according to ASTM D522 B, the dried film exhibits no loss of adhesion.

Resistance to Water:

When tested according to ASTM D870, the dried film exhibits no blistering, re-emulsification or color change.

Flaking:

When tested according to ASTM D662, the dried film exhibits no flaking.

Cracking:

When tested according to ASTM D661, the dried film exhibits no cracking or breaking.

Chalking:

When tested according to ASTM D4214, the dried film exhibits no chalking or friable powder development.

Fading:

When tested according to ASTM D4587, the dried film exhibits no fading or color loss.

Environmental Considerations:

DynaColor is non-hazardous when tested according to the EPA's TCLP (Toxicity Characteristic Leaching Procedure). DynaColor is a water based material containing less than 142 g/L (1.22 lbs./gal.) VOC content.

7. TECHNICAL SERVICES

C.S.I. formatted application specifications, material safety data sheets, special project submittals, product and application recommendations as well as assistance with special situations and field service are available.

8. WARRANTY

The above specifications on product usage are believed to be true and accurate. Neyra Industries, Inc. guarantees that all materials manufactured comply with quality standards as described in the product data sheets. Because the application, handling, weather, workmanship and equipment are beyond the control of this manufacturer, only the quality of the products as shipped is guaranteed. In no case will the liability of Neyra Industries, Inc. exceed the purchase price of the shipped materials.

9. ADDITIONAL INFORMATION

Neyra Industries, Inc. manufactures a full line of recreational surface and asphalt pavement maintenance products as well as application equipment sold and distributed nationally at our plants and through distributors and contractors. To find the supplier most convenient to you, please contact us.



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Chemical Characteristics	
ID:	Wt. % (Minimum)
Acrylic Polymer	25 - 26.5
Premium Pigment/Mineral Fillers	15.5 - 17
Film Formers/Rheology Modifiers/Additives/Etc.	6.3 - 7.3
Water (Total)	51 - 54

Type	Exterior Rated Latex Emulsion
Pounds per gallon at 77°F	9.3 +/- 1
% Non Volatile Material	42 +/- 3
Odor	Latex - Chemical - Rubber
Flammability	Non-Flammable
Flash Point	None
Storage Life	One Year