

### 1. PRODUCT NAME

**Dynabinder™**

### 2. MANUFACTURER

Neyra Industries, Inc.  
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Cincinnati, Ohio 45241

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- **Saves Job Time:** Fast permanent repair for low spots on tennis courts, play areas, walkways and outdoor basketball courts.
- **Non-Shrinking:** Even with 1" applications per lift, Dynabinder will stay leveled and not shrink.
- **Hard, Permanent Bond:** Will not pop out of asphalt.
- **Fast-Setting Patches:** Reduces time required before coating can begin and the finished job is available to user sooner.
- **Excellent Water-Based Concrete Primer:** Will adhere to concrete at least thirty days old.

### 3. PRODUCT DESCRIPTION

Dynabinder is a high tensile strength, acrylic latex bonding agent.

#### Packaging:

Packaged in 5 gal. pails and 55 gal. steel drums.

#### Color:

As supplied, Dynabinder is white. Once mixed, applied and cured, Dynabinder is gray.

#### Basic Uses:

Dynabinder is formulated to patch new or existing asphalt and concrete surfaces. It can also be used as a primer for new or existing concrete surfaces.

#### Composition:

As shipped, Dynabinder is an acrylic latex bonding agent.

#### Limitations:

In the liquid state, Dynabinder 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 Dynabinder. Priming is recommended. To make primer, mix one part Dynabinder to two parts water. Allow primer to dry thoroughly

before placing mix.

#### Methods:

Apply Dynabinder directly to thoroughly cleaned surface using a magnesium trowel and metal screed. Level the patch with the surrounding surface.

#### Mix Design:

As supplied, Dynabinder is a concentrated material intended to be mixed with Portland cement and silica sand.

All sand used should be clean, dry, pure silica sand, free of clay, trash particles and other contaminants. Medium fine sand with an A.F.S. rating of 50 to 70 gives best results. There should be no more than 2% retained on 30 mesh or coarser, no more than 10% retained on 140 mesh and no more than 0.3% retained on 200 mesh.

Based on a 100 lb. bag of silica sand, mix one bag of sand with 2 gal. (dry, unpacked) Portland cement. Add to this dry mix up to 3 gal. of Dynabinder liquid in a portable cement mixer, wheelbarrow or other equipment which will thoroughly blend the components to a smooth homogenous consistency. Do not add water. Extra Dynabinder should only be added after thoroughly mixing. Add only as much Dynabinder as is necessary to achieve workable consistency. Mix only as much as can be

used within one hour.

#### Mix Design Ratios by Volume

Dynabinder	Cement	Sand
1 - 1.5	1	2.5
2.5 - 3	2	5
5 - 6	4	10

#### Application:

Properly mixed, Dynabinder, sand and cement will dry quickly. The following application procedures are recommended for best results:

One gal. of Dynabinder will make 2.6 gal. of liquid mix which is enough to fill 4.17 sq. ft. by 1 in. deep. Calculate gallons of mix required by [area (ft.<sup>2</sup>) x depth (in.)] divided by 1.6 (gal. of mix to fill). Coverage rates can vary with the age, texture and porosity of the pavement.

As a concrete primer, Dynabinder should be spray applied over the prepared concrete surface and allowed to dry thoroughly prior to application of the Dynaflex coating.

A light broom finish is best for the concrete surface and a vapor barrier is recommended beneath the slabs.

Application must be made when ambient and pavement temperatures are above 50°F. Good drying conditions are required during the subsequent 8 hours and no temperatures below 50°F should

be anticipated for 48 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 cured sufficiently. Under good drying conditions, this usually requires about 24 hours. Lower temperatures, high humidity, clouds, shade and lack of air movement retard cure.

**Precautions:**

Liquid Dynabinder 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 15 days prior to application and must not exhibit ribbing, crawling, nor show oil rings when 1 gal. 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 Dynaflex 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**

**Environmental Considerations:**

Dynabinder is non-hazardous when tested according to the EPA's TCLP (Toxicity Characteristic Leaching Procedure). Dynabinder is a water-based material containing less than 7 g/L (0.06 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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