

PRODUCT DATA

Description

Petra Industrial Broadcast floor is a 1/16' to 3/16" combination of "colored" epoxy binder, a 100% solids epoxy formulation, and industrial 20-50 mesh natural quartz aggregate. The surface texture can be standard non-skid, orange peel, or smooth finish. It can be applied on a variety of substrates including concrete, quarry tile, brick pavers, steel decks, plywood floors, and more.

Main Features

- Outstanding for use on most substrates including new or existing concrete slabs, wooden flooring or even over existing vinyl flooring.
- Excellent Color Uniformity
- Rapid Hardening
- Good UV Resistance
- No Odor
- Superior Adhesion
- Desirable Viscosity
- Competitively Priced

Typical Uses

- Laboratories
- Auto Dealership Shop Floors
- Meat Preparation Areas
- Canning Plants
- Battery plants
- Food Processing Plants
- Pharmaceutical Plants
- Dairies
- Warehouses
- Chemical Plants
- Bottling Plants
- Commercial Kitchens
- Walk-In Coolers
- Industrial Plants



PHYSICAL CHARACTERISTICS

Compressive Strength.....	10,500 PSI (ASTM D-695)
Hardness, Shore D.....	75-80 (ASTM D2240)
Tensile Strength.....	1,160 PSI (ASTM D638)
Flexural Strength.....	4,600 PSI (ASTM D-790)
Linear Shrinkage.....	0.02% (ASTM D-2566)
Coefficient of Linear Expansion.....	12°F to 140°F
In./in. degrees F	20 x 10-6 (ASTM D-696)
Bond Strength to Concret.....	335 PSI concrete fails (ACI-403)
Indentation.....	025 max. (MIL D-3134)
Impact Resistance.....	no cracking or de-lamination (MIL D3134)
Elevated Temperature.....	no slip or flow (MIL D-3134)
Water Absorption.....	0.04% (ASTM D-570)
Electrical Conductivity.....	non-conductive
Flammability.....	self extinguishing (ASTM D-635)
Abrasion Resistance Taber Abrader.....	avg. 24.0 mg. loss (CS-17 Wheels, 2000 gm. load, 1000 cycles)
Toxicity.....	non-toxic, USDA approved.

Benefits

- Low installation cost.
- Very neat, uniform surface appearance.
- Lowers maintenance costs. Very easy to keep clean.
- Extremely durable, most durable of all epoxy flooring materials.
- Installs and cures rapidly, short "downtime" period.
- Easy to keep sanitary due to its stain resistant, non-porous, seamless surface, with integral cove-base if specified.

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COLORS

Standard colors available are from the Petra Workhorse 7000 Standard Epoxy System

Industrial Broadcast Floor

THICKNESS AND WEIGHT

Petra Industrial Broadcast floor system can be installed as a single or a double broadcast application.

Single Broadcast - approximately 1/16" thick (Light traffic)

Double Broadcast - approximately 1/8" thick (Heavy traffic)

Triple Broadcast - approximately 3/16" thick (Extra Heavy traffic)

SUBSTRATE PREPARATION

Proper preparation is absolutely critical to ensure proper bonding. The substrate must be dry and free of all grease, wax, oils, dirt, loose or foreign materials and laitance. Any loose particles (Laitance, unbonded cement, etc) must be removed by abrasive shot blasting or scarifying. Oil, dirt and other contaminants may be removed by scrubbing with an industrial strength detergent and rinsing with clean water. Substrate must have a sandpaper-like texture after preparation. For more information on proper substrate preparation, call Petra Coatings, Inc.



APPLICATION PROCEDURE AND SPREAD RATES

A single broadcast application will result in an approximate 1/16" thickness. A double broadcast application will result in a more uniform appearance and an approximate 1/8" thickness.

1. Prepare the surface as recommended.
2. Apply Petra WorkHorse 7000 Industrial Epoxy binder at approximately 100 sq. ft. per gallon.
3. Broadcast aggregate at 1/2 lb. per sq. ft.
4. Let Cure
5. Apply Petra WorkHorse 7000 Industrial Epoxy binder at approximately 100 sq. ft. per gallon. This application serves as a first top coat or a base coat for a second broadcast.
 1. For a double broadcast application, repeat steps 3, 4, and 5.



NOTE:

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