



# One Product Flooring System Industrial Application



### PRODUCT DESCRIPTION

JONES-BLAIR®/NEOGARD® has developed a one product system for protecting concrete floors. This two component, water borne epoxy, is formulated to prevent dust coming from concrete floors due to natural wear. It is easy to use, a two-step application, fast curing and environment friendly.

### IDEAL FOR

- Light traffic warehouses
- Storage rooms
- Where no build-up membrane is required
- A pre-primer for out-gassing conditions, due to over porous concrete floor

### ADVANTAGES

- One product system
- Complies with VOC/VOS regulations
- No-odor concerns
- Satin finish
- Great application time (long pot-life)
- Fast cure
- Easy to clean

### LIMITATIONS

- Not recommended for exterior applications.
- Product may fail adhesion or fish eye if oil, silicones, form release agents, or other types of contaminants are present during application.
- Do not apply if surface temperature is less than 50°F.

### PACKAGING - 3 GAL KITS

Colors: 7779.....Clear

Catalyst: 7781.....Neutral

Mix Ratio: 4:1 (resin:catalyst) by volume

### DELIVERY, STORAGE & HANDLING

Materials shall be delivered in original sealed containers, clearly marked with supplier's name, brand name and type of material.

Recommended material storage temperature is 75°F (23.8°C). Handle products to avoid damage to container. Do not store for long periods in direct sunlight.

### TECHNICAL DATA

Description	Test Method	Result
Adhesion	ASTM D 4541	300 psi
Solids by Volume	Calculated	28% (mixed)
Solids by Weight	ASTM D 4209	32% (mixed)
Viscosity	ASTM D 2196	50-100 cps (mixed)
Flash Point	ASTM D 3278	None
VOC	EPA method 24	85 g/L (mixed)
Shelf Life		1 year
Pot Life @ 75°F		6-8 hours
Light Traffic Use		12 hours
Cure Time @ 75°F, 50% R.H.	TT-S0023OA	1.5 hours
Mix Ratio (7779:7781)		4:1 by volume

### EXAMINATION

#### Concrete

- Concrete must be structurally sound
- Check for contaminants
- Look for curing compounds and form release agents
- Floor temperature must be above 50°F (10°C) and rising
- Use degreaser detergent to remove surface oil, grease and dirt. Areas where oil or other contaminants penetrate deep into the concrete may require removal by mechanical methods.
- Check with JONES-BLAIR®/NEOGARD® for more information or questions

#### Moisture Drive Issue

- Concrete must be dry and needs to have a minimum of 28 days cure
- Run calcium chloride test ASTM F1869-98. Readings must not exceed 3 lbs/1000 sf/24 hrs. NOTE: Readings may vary from day to day, so the result of testing will be accurate only at the time tested.

#### Patching & Cracks

- Patching concrete in remedial applications is usually required. Fill voids to adjacent level with a mix of one part 70708/70709 and 4 parts oven-dry silica (40-60 mesh) by volume
- Fill non-moving cracks with a mix of one part of 70708/70709 with two to three parts of fumed silica by volume
- All patching and cracks shall be done after surface preparation

### EXECUTION

#### Preparation

- Lightly sand the floor with a 50 grid sand paper and a slow speed floor buffer
- Broom and vacuum the floor

### Pre-coated Concrete

- Sand thoroughly with 50 grit paper and remove all residue
- Scrub floor with water and degreaser detergent and rinse well with water prior to application of DustTuff System

### Mixing Instructions

- Read labels
- Follow mixing instructions
- Mixing ratio is 4 parts 7779 series to 1 part 7781 by volume
- Mix material for three minutes
- Use a slow speed drill (600 rpm max.) and jiffy mixer

**IMPROPER MIXING AND IMPROPER MIXING RATIOS CAN RESULT IN CURING PROBLEMS**

### Application & Coverage Rates

- **BASE COAT** - Apply in one coat at a rate of 200 to 300 sf/gal to achieve a DFT of 2.2 to 1.5 mils. After proper mixing, dip roller in the coating, roll out excess and apply. Apply in a wide uniform path trying not to overlap in excess with previous paths. After 3 or 4 paths, back roll the surface for uniform appearance. Within 12 hours of application of primer, topcoat must be applied. If topcoat cannot be applied within 12 hours, lightly sand paper the entire surface to develop a profile. Remove imperfections or dust.
- **TOPCOAT** - Apply in one coat at a rate of 300 sf/gal to achieve a DFT of 1.5 mils. After proper mixing, dip roller in the coating, roll out excess and apply. Apply in a wide uniform path trying not to overlap in excess with previous paths. After 3 or 4 paths, back roll the surface for uniform appearance. Let product cure for a minimum of 8 hrs. prior to opening to light traffic.

### APPLICATION TOOLS

- Safety is first. Use protective clothing, safety glasses and post warning signs.

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