



# VerdeFloor Patch Kit

Polyurethane Concrete Flooring

## TECHNOLOGY DESCRIPTION

VerdeFloor flooring systems represent the next generation of polyurethane concrete technology. These Bio-Based flooring systems utilize domestically produced soy bean oil and environmentally friendly packaging.

## PRODUCT DESCRIPTION

VerdeFloor Patch Kit is a patching material to repair polyurethane concrete flooring. VerdeFloor Patch Kit is extremely tough and withstands thermal shock, impact, abrasion and chemical exposure. VerdeFloor Patch Kit is formulated with a natural additive to be resistant to Fungi Growth per the industry standard ASTM G-21.

## TYPICAL PROPERTIES AT 70°F

Compressive Strength (ASTM C-579) . . . . .	7,800 psi
Tensile Strength (ASTM C-307) . . . . .	975 psi
Flexural Strength (ASTM C-580) . . . . .	1,900 psi
Bond Strength (ASTM D-4541) . . . . .	100% Concrete Failure
Impact Strength, in/lbs (ASTM D-4226) . . . . .	>160 in-lb
VOC . . . . .	5 gm/l
Resistance to Fungi Growth (ASTM G-21) . . . . .	Passes, Rating of 1

*The data shown above reflects typical results based on laboratory testing under controlled conditions. Variations from the data shown may result. Test methods are modified where applicable.*

## INSTALLATION DATA

Application Temperature, ambient . . . . .	40–85°F
Application Temperature, material . . . . .	50–80°F
Shelf Life . . . . .	6 months
Pot Life, @ 77°F . . . . .	15 minutes
Traffic, @ 77°F . . . . .	Light: 12 hours / Full: 24 hours
Fully Cured, @ 77°F . . . . .	7 days

*Refer to VerdeFloor Application Guide for additional installation information*

## IMPORTANT INFORMATION

1. VerdeFloor is not color stable, expect color change over time.
2. VerdeFloor flooring should not be installed on wet concrete.
3. Floors should be sloped to drain to prevent standing water or chemicals.
4. Spills should be removed as soon as possible to prevent a slipping hazard.
5. Confirm product performance in specific chemical environment prior to use.
6. Prepare substrate according to “Surface Preparation” portion of this document.
7. Follow detailed instructions in the “VerdeFloor Application Guide”
8. Always use protective clothing consistent with OSHA regulations during use.
9. Refer to Safety Data Sheet for detailed safety precautions.
10. For industrial/commercial use. Installation by trained personnel only.

## TECHNICAL DATA SHEET

### BENEFITS

- Impact resistant
- Low odor, fast installation, fast cure
- Excellent corrosion & chemical resistance
- High temperature resistant to 250 F
- Thermal shock resistant; steam cleanable
- Resistant to moisture vapor transmission (MVT)
- Anti-slip surface, meets ADA recommendations
- Resistant to fungi growth per ASTM G-21

### RECOMMENDED USES

- Food & beverage processing facilities
- Chemical process facilities
- Pharmaceutical facilities
- Pulp and paper mills
- Wet processing & packaging areas
- Commercial Kitchens
- Freezers and coolers
- Battery charging areas
- Truck unloading areas

### GENERIC DESCRIPTION

Polyurethane Concrete

### TYPICAL APPLICATION

¼” Trowel Applied

### AVAILABLE COLORS

Neutral

### PACKAGING & COVERAGE

Premeasured Part A, Premeasured Part B

1 Filler Bag

1 powder pigment

**15 sqft per premeasure unit at ¼”**

## SURFACE PREPARATION

**Concrete:** Apply only to properly prepared clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- *New concrete should ideally be cured for a minimum of 14 days to reduce possible shrinkage cracking in the concrete. VerdeFloor can be installed after 7 days or when concrete reaches a minimum 3,500 psi compressive strength which will allow for proper surface preparation, however, early curing movement, shrinkage or cracking that may occur in the concrete will be reflected through the final VerdeFloor flooring.*
- *Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.*
- *Remove any laitance or weak surface layers including broom finish surface.*
- *Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.*
- *Surface profile shall be CSP-5 or greater meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 40-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.*
- *All concrete surface irregularities, cracks, expansion joints, control joints and terminations should be properly addressed and prepared prior to application of the flooring. Moving joints and cracks will reflect through the final installed VerdeFloor flooring.*

**Refer to “VerdeFloor Application Guide” for more details.**

## INSTALLATION STEPS

**IMPORTANT** – Follow the detailed application instructions in the “VerdeFloor Application Guide” and the safety instructions listed on the product Safety Data Sheets (SDS) copies available upon request. The following installation summary is for reference only and should not be relied upon as all inclusive. VerdeFloor systems should only be installed by trained persons experienced in polyurethane concrete flooring applications.

1. To prevent lifting or delamination, keyways (minimum 5/16" wide x 5/16" deep) must be cut at all terminations, joints, columns, doorways, and drains. See VerdeFloor construction detail drawings.
2. Clean sand and dust from prepared concrete where the floor is to be installed.
3. Part A, Part B, Filler and pigment is included in a sealed 5 gallon pail.
4. Pour premeasured Part A into the 5gallon mixing pail provided
5. Add powder pigment into Part A and mix for 30 seconds with slow speed drill.
6. Gradually add all contents of a bag of VerdeFloor Filler 30 into the liquid mixture and blend thoroughly until all particles are wetted out, normally about two minutes.
7. Immediately after mixing (within 3 minutes), spread the mixed VerdeFloor Patch Kit material onto the floor at a thickness slightly greater than the desired finish, using a hand trowel.
8. Trowel the surface lightly, using a steel finish trowel to smooth the surface. Finish trowel strokes should all be in the same direction. Do not overwork the mortar. If desired, further smooth patch with a mohair roller.
9. Lay abutting edges within 10 minutes to ensure a clean edge. A “wet edge” installation is imperative during large placements to avoid lines and ridges in the finished floor.

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