

PRIMER

■ **Description**

VFI-3204 is a two component, 100% solids, epoxy primer with excellent flexibility and low tensile modulus. Good cure speed at application temperatures between 50-90°F with relative humidity below 85%. Use on concrete, wood and metal substrates to ensure excellent adhesion and moisture tolerant properties. The final primer film cures to a tough flexible film with good stress

relieving properties. Can be used with both epoxy and urethane topcoats in aggregate and non-aggregate systems.

■ **Usage**

Primer for concrete, wood or metal

■ **Color**

Standard color is natural.

Physical Properties

■ **Hardness**

60 Shore D

■ **Tensile Properties**

ASTM D412

Strength:

3500 psi

Elongation:

20-30%

■ **Solid Material Density**

66.27lb/ft³

■ **Adhesion**

>450 psi (100% concrete failure)

Weather & Environmental Performance

■ **Chemical Resistance**

Water, Mild Acids

Liquid Component Properties

■ **Ratio**

■ **By volume**

2:1

■ **By weight**

"A" side 100

"B" side 45.38

■ **Coverage or Yield**

160-320 ft²/gal

■ **Solids**

100%

■ **Viscosity**

"A" side:

500 cps

"B" side:

1300 cps

Mixed:

750 cps

■ **Liquid Material Density & Specific Gravity**

"A" side 9.14 lbs/gal (SG 1.10 g/ml)

"B" side 8.30 lbs/gal (SG 1.00 g/ml)

Mixed 8.86 lbs/gal (SG 1.06 g/ml)

■ **VOC**

0%

■ **Flash Point**

>200°F

■ **Toxicity**

Non toxic

■ **Shelf Life**

12 months in unopened container. Keep Poly "B" side covered at all times when not in use.

Application

■ **Equipment**

Electric or pneumatic mixer with vessel and flat or notched squeegee and napless 3/8" nap roller or

plural component spray equipment with recommended roller back-roll.

- **Surface Preparation**
Mechanical abrasion and chemical treatment along with testing for adhesion or removal with pre-existing coating. Contact VFI's Technical Department for further assistance.
- **Material Preparation**
Premix each component separately for 2-3 minutes prior to batch mixing. After each component is mixed, place the correct volume of each system component into mixing vessel and mix at low speed for 3 minutes. Minimize the amount of air mixed into the batch. Avoid creating a large vortex while mixing.
- **Clean Up Solvent**
Acetone or Xylene
- **Reactivity**
 - **Gel time:** 23 minutes (150g mass); 18 minute pot life @ 77°F
 - **Tack free:** 5-6 hours @ 77°F
 - **Place into service time:** 6 hours foot traffic @ 77°F
- **Recoat time:** 5-36 hours @ 77°F
- **Cure time:** 5 days for full cure
- **Limitations**
Only apply at temperatures between 50-95°F with less than 85% relative humidity.
- **Precautions**
B side is CORROSIVE! Refer to the MSDS for specific component hazards. Make sure that the proper surface preparation steps are taken to avoid delaminating and other negative deformities.
- **Thinning**
Thinning is not recommended.
- **Packaging**
 - 1 Gallon Cans
 - 5 Gallon Pails
 - 15 Gallon Drums

CORPORATE OFFICE: P.O. BOX 344 – BROOKFIELD, WI 53008 / 800 307-9218 / 262 787-0400/FAX ; 262 787-0500

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