



## SPEC DATA SHEET

# 4500 KITCHEN RESIN

## THERMAL RESISTANT EPOXY

### PRODUCT DESCRIPTION

Versatile Building Products 4500 KITCHEN RESIN is a 100% solids epoxy resin that is used as a binder, grout coat, and seal coat over properly primed and prepared substrates. When used with properly selected aggregates and fillers, 4500 KITCHEN EPOXY can be used to construct a sanitary flooring system that shows resistance to hot oils and spills found in commercial kitchens and food processing areas. 4500 KITCHEN EPOXY is ideally suited for areas requiring moderate thermal shock resistance and resistance to select chemicals commonly found in commercial kitchens, food processing areas, breweries, and canning operations.

### COMPOSITION

Special proprietary blend of 100% solids thermal shock resistance epoxy, wetting agents, adhesion promoters and other additives.

### ADVANTAGES

- Suitable for USDA inspected facilities
- 100% Solids, Zero VOC
- Low odor
- Specific chemical resistance for application
- Improved thermal shock resistance

### LIMITATIONS

- Requires moisture/vapor barrier
- Will not bridge cracking
- Yellows under U.V. lighting
- Requires minimum temperature of 55F and 5F over dew point during installation and initial cure cycle.

### AREAS OF USE

- Kitchens
- Food processing areas
- Canning and packaging facilities
- Anywhere steam cleaning is required

### COLORS

Clear and 6 standard colors.

### COVERAGE

Refer to manufacturers detailed System Installation Guide.

### FINISHES

Smooth and non skid.

### AVAILABILITY AND COST

Versatile Building Products are supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made on request.

### INSTALLATION

Refer to manufacturers detailed System Installation Guide.

### MAINTENANCE

Maintain the 4500 EPOXY to a minimum of 4 mils. If the 4500 is damaged, it can be repaired by sanding the surface, cleaning and then recoating the area with same materials.

### TECHNICAL SERVICES

Technical services can be obtained by contacting: VBP direct at 310-632-6500 or 800-535-3325.

### TECHNICAL DATA

#### Properties

|                                               |                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------|
| <b>Volumetric Mix Ratio</b> A:B               | 2:1                                                             |
| <b>Volumetric Solids</b>                      | 100%                                                            |
| <b>Weight Solids</b>                          | 100%                                                            |
| <b>VOC</b> (Volatile Organic Compounds)       | 0g/L                                                            |
| <b>Pot Life</b> , 1 Quart Mass, 77F, Gel Time | ~30min                                                          |
| <b>Cure Time</b>                              | Dry to Touch 4-8 Hours<br>Recoat 6-10 Hours<br>Full Cure 7 Days |
| <b>Elongation</b><br>(ASTM D 638)             | 8.0%                                                            |

**Properties (continued)**

**Tensile Strength** 8,500p.s.i.  
(ASTM D 638)

**Flexural Strength** 13,500p.s.i.  
(ASTM D 790)

**Compressive Strength** 11,700p.s.i.  
(ASTM D 695)

**Hardness, Shore D** 82  
(ASTM D 2240)

**Abrasion Resistance** 110mgs lost  
(ASTM D 4060, CS 17, 1KG, 1000 cycles)

**Adhesion** 350p.s.i.  
(ACI 503R) (100% Concrete failure)

**Flammability** Self extinguishing  
over concrete

**Chemical Resistance** Consult Rep.

**Slip Resistance**

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Versatile Building Products Inc. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Versatile Building Products Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.

**Warranty**

Versatile Building Products Inc guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Versatile Building Products Inc (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Sellers obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.