

## Flash Floor® Technical Data Sheet

### Product Description

Flash Floor® is an ultra-low viscosity structural repair material engineered to create permanent-grade concrete repairs. It penetrates deeply into concrete pores and forms both mechanical and adhesive bonds within the substrate, creating a monolithic repair designed for long-term performance in industrial environments.

### Key Features

- 1 Ultra-low viscosity for deep penetration
- 2 Traffic-ready in approximately 15 minutes at ~70°F
- 3 Forms mechanical and adhesive bond within concrete
- 4 No saw cutting required in most repairs
- 5 Minimal surface preparation
- 6 Compatible with heavy industrial traffic
- 7 Suitable for cold environments down to -30°F
- 8 High solids content (~98%)
- 9 No significant outgassing after cure

### Mechanical Properties

Property	Value
Compressive Strength (Sand Filled)	6452 psi
Compressive Strength (Unfilled)	3722 psi
Tensile Strength	3574 psi
Bond Strength	~1980 psi
Hardness	72D
Elongation	6%
Modulus (Compression)	340 ksi
Viscosity	<12 cps
VOC	5.5 g/L
Solids Content	~98%

## **Cure Profile @ ~70°F**

- 1 Gel Time: 6–7 minutes
- 2 Cure Time: ~15 minutes

## **Application Information**

- 1 Mix Ratio: 1:1
- 2 Application Temperature Range: -30°F to 120°F
- 3 Can be extended with manufactured sand
- 4 Yield: approx. 2.2 gallons when extended with sand

## **Typical Uses**

- 1 Control joints
- 2 Cracks and hairline cracks
- 3 Spalls and surface deterioration
- 4 Potholes
- 5 Bolt holes and anchor points
- 6 Surface transitions and trip hazards
- 7 Resurfacing deteriorated areas
- 8 Ramping between slab height differentials
- 9 Leveling uneven joints or adjacent slabs

## **Compliance & Performance**

When installed according to manufacturer recommendations, finished repairs are impervious to moisture, suitable for rigorous cleaning environments, and will not adulterate food products. Flash Floor meets USDA usage requirements and is suitable for demanding industrial environments.

## **Technical Performance Notice**

Flash Floor is engineered for permanent-grade repair performance when installed according to manufacturer recommendations and used under normal service conditions. Performance depends on substrate condition, installation practices, load conditions, and environmental factors.