



# FLOWPAVE SUPREME

## *Self-Leveling Light Duty Floor Topping and Underlayment*

### 1. Product Description

**a. Basic Use:** Flowpave Supreme is a self-leveling floor surfacing material designed for use as an underlayment or as a wearing surface for light duty traffic. It is particularly useful where floors are out of tolerance or the surface has deteriorated or been damaged. Flowpave Supreme can be applied at thicknesses from 1/4 in. (6.4 mm) to 1 in. (25.4 mm). At transition points it can be applied as thin as 1/16 in. (1.6 mm).

**b. Features/Benefits:**

- Easy and economical to use.
- Strong and resilient for good resistance to foot and pneumatic wheel traffic.
- Excellent as an underlayment for thin set mortar and ceramic tile.
- Provides a sound bonding surface for carpet tile adhesives, sealers and epoxy coatings.
- Suitable for use over wood, mastic, or concrete.
- Provides durability in most indoor applications.
- Good for repair of new or old floors.

**c. Typical Applications:** Office floors, storage areas, decks, showrooms, stores, wood floors.

**d. Limitations:** Do not use Flowpave Supreme on outdoor applications. Apply at a minimum of 1/4 in. (6.3 mm) thickness except at transition points where it can be applied as thin as 1/16 in. (1.6 mm).

**e. Composition:** Flowpave Supreme is a proprietary mixture of cementitious components, graded aggregate, polymers, and special chemical agents. Flowpave Supreme contains no calcium chloride.

**f. Color/Appearance:** Concrete gray which is similar to most concrete surfaces.

### 2. Packaging

Flowpave Supreme is packaged in 50-lb. (22.7 Kg) bags, 60 bags per pallet.

### 3. Estimating/Yield

One bag of Flowpave Supreme mixed with water produces 0.52 cu. ft. (0.015 cu. m) of self-leveling material. The coverage is 24 sq. ft. (2.2 sq. m) at a 1/4 in. (6 mm) thickness.

### 4. Technical Data

**a. Applicable Standards:** ASTM C 1059, Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete.

**b. Compressive Strengths:** ASTM C 109, 2 in. (50 mm) cubes at 72°F (22°C).

<i>Age</i>	<i>Strength</i>
4 hours	1,800 psi (12 MPa)
1 day	2,500 psi (17 MPa)
3 days	3,000 psi (21 MPa)
7 days	4,000 psi (28 MPa)
28 days	4,500 psi (31 MPa)

**c. Bond Strength:** ASTM C 1042, 28 days; 1200 psi (8.3 MPa).

**d. Flexural Strength:** ASTM C 78, 28 days; 1100 psi (7.6 MPa).

**e. Working Time:** 20 minutes.

**f. Final Set Time:** ASTM C 191; 1 hour.

### 5. Directions for Use

**a. Preparation:** Base concrete must be sound and clean. Chip, bushhammer, scabble, chisel, shotblast, or mill damaged surface down to sound concrete. Any oil soaked concrete must be removed. Blow off any loose dust, dirt, and debris. Provide a clean, textured surface free of paint, coatings, or curing compounds. Avoid application over extremely hard-troweled concrete. Float or broom finishes on new concrete provide a suitable bonding surface as long as they are clean and free of sealers.

**b. Bonding:**

- **Over Concrete:** The base concrete surface must be prewetted to prevent rapid moisture loss from Flowpave Supreme. Free-standing water must be removed. Use Herculox as a primer and bonding agent over all concrete surfaces.
- **Over Mastic:** Removal of old tile can leave hard to remove mastic adhesives. Remove all loose mastic and apply Herculox as a bonding agent.
- **Over Wood Floors:** Wood floors without deflection should be primed with Herculox. Areas of oil soaked wood should be removed if possible. Oil soaked wood or floors with deflection should first be reinforced with metal lathe attached with studs to the wood flooring.

**c. Mixing:** Add 1.00 to 1.25 gallons (3.8 to 4.7 liter) of water for each 50-pound (22.7 kg) bag of Flowpave Supreme adjusting for surface porosity. Use only enough water to achieve adequate flow and leveling properties. Overwatering will result in reduced strength, polymer flotation, and potential aggregate segregation. Mixing can be done with continuous feed mixer / pump apparatus or in 5-gallon (18.9 liter) pails using a mechanical drill and Metco Jiffy mixing blade. Mix for 2 to 3 minutes to a smooth lump-free consistency.

**d. Placement:** Pour or pump Flowpave Supreme onto floor area. Flow material to desired coverage and level. Break bubbles and smooth interfaces between adjacent pours using a spiked roller or long handled trowel. Complete operation within 15 to 20 minutes.

**e. Finishing:** No finishing is required or recommended. Attempts to finish will distort smoothness and levelness.

**f. Protection:** No special protection is needed. Under extremely low relative humidity conditions or in direct wind, surface checking may result. Under these conditions, mist lightly with Waterhold after setting.

**g. Curing:** Flowpave Supreme is self-curing.

**h. Maintenance:** Flowpave Supreme may be cleaned using standard high alkali floor cleaners and scrubbing equipment. When applying a sealer or epoxy coating, sand surface lightly before application.

## 6. Availability

Flowpave Supreme is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

## 7. Warranty

Flowpave Supreme is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

## 8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



***Metalcrete Industries***

4133 Payne Avenue • Cleveland, Ohio 44103  
440-526-5600 • 800-526-5602 • FAX 440-526-5601