

- High Performance – Technical Grade
- High Flow – Long Pouring Time
- One Component – Just Add Water
- Portland Cement Based
- Includes 3/8" Rock
- Shrinkage-Compensated
- DOT Approved

- Form and Pour Applications
- Concrete Patching Minimum 1" Thick
- High Rise Buildings
- Balconies, Parking Garages
- Partial or Full Repairs
- Bridges, Tunnels, Marine Structures
- Interior or Exterior

FormFlo P-51 is a 1 component, high flow concrete mix. **FormFlo P-51** is mixed with water and applied from 1" thick to full depth. Product includes 3/8" aggregate and flow agents.

Product Description

FormFlo P-51 is a special blend of cement, aggregate and exclusive modifiers. Designed for general purpose and high performance concrete repair or resurfacing applications.

FormFlo P-51 Packaging and Yield

65 lb. Heavy-duty polyethylene bag: 0.55 cubic feet

For Best Results

Apply to a clean, dry sound substrate above 40° F. Substrate is to be surface saturated dry (SSD), if applicable, but otherwise hold no standing water prior to application. Check moisture content (mat test) prior to applying any waterproof topping. Do not retemper already mixed material. Do not expose to rain or flowing water during application.

Surface Preparation

Surface preparation is critical to achieve long lasting results. Existing concrete substrate shall be clean, sound, and free of oil, grease, laitance, curing compounds, or any other foreign matter. Saw cut patches at least 1/2" deep and provide a square shoulder. Undercut any exposed rebar 3/4" to provide adequate space for material to encapsulate the reinforcement. Apply JE Tomes approved coating to exposed reinforcement when specified. When applicable, prior to applying **FormFlo P-51**, concrete substrates should be saturated with clean water. Just before applying product, remove any standing water and allow surface to dry. This will leave the substrate saturated surface dry (SSD). A dry substrate may pull moisture from the mixed product during placement and cause cracking or poor bond.

Mixing Guidelines

Force mixing is recommended with a slow speed drill with a Jiffy type paddle or appropriately sized mortar mixer. Approximately 3 quarts of water is required to mix 65 lb of product. Always add and mix product into water. When using a hand drill, add dry product slowly while mixing or introduce product in increments and mix in between to reduce lumping and ensure consistency. Vary depth of paddle in mixing container. Mix for 2-3 minutes.

Application

Pour into form or apply to a minimum thickness of 1" within 30 minutes.

Curing

Rapid drying of cement-based products may cause cracking or de-bonding. Avoid applications in high winds, excessive heat or blowing air directly on freshly place product. Curing compounds, wet burlap or polyethylene will reduce rapid drying but may cause color change or mar product surface. If form is used, allow material to cure in form for 2 or more days before removing forms. Allow one day for light traffic on horizontal repairs. Contact JE Tomes if you have any questions or concerns with your application.

LIMITED WARRANTY

JE Tomes & Associates, Inc. warrants its products to be free from manufacturing defects, and will deliver, at no charge, an equal amount of packaged product as that amount proven to be defective when applied in accordance with manufacturer's written directions by contractors experienced in this application, and used in applications recommended by the manufacturer as suitable for the product. All claims concerning product defects must be made within twelve (12) months of use of the product. THERE ARE NO OTHER WARRANTIES BY JE TOMES & ASSOCIATES, INC. OF ANY NATURE WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH PRODUCTS WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. Buyer's sole and exclusive remedy for breach of any warranty shall be replacement of defective product. JE Tomes & Associates, Inc. shall not be liable for any damages, including consequential damages, except as otherwise set forth therein.

Technical Data

Compressive strength	28 day	Exceeds 6000 psi	ASTM C42
Compressive strength	7 day	Exceeds 4500 psi	ASTM C42
Drying Shrinkage		-.023%	ASTM C596
Coefficient of Thermal Expansion		5.25 x 10 ⁻⁶	ASTM C531
Freeze / Thaw Durability		Excellent	ASTM C666
Static Modulus of Elasticity		3.39 x 10 ⁶	ASTM C469
Bond Strength		Exceeds 150 psi	ACI 503 R
Air Content		6%	
Color:		Concrete Gray	



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Rock Solid Products Since 1935

Reasonable variations for the above data can be expected depending on field conditions, surface preparation, curing, contractor expertise and evaluation and/or handling of test cylinders.