

# 4050 FLEXSIL MULTI-PURPOSE ACRYLIC PRIMER WITH AGGREGATES



## DESCRIPTION

Flexsil Multipurpose Acrylic Primer is a high solids, low VOC, acrylic primer, with inert aggregates, polymers and specific additives. Flexsil Primer is used to prime various surfaces, promoting adhesion, especially to non-porous surfaces. It may be used to enhance bonding of cementitious and gypsum based levelers to various surfaces, also suitable to enhance bonding of mortars and levelers to non-absorbant surfaces, such as existing ceramic, natural stone and terrazzo floors.

## BASIC USES

### For Priming Existing Concrete Surfaces When:

- Repairing cracked, chipped or broken concrete.
- Installing cementitious self-leveling underlayments, toppings, or other such products over concrete surfaces.

### For Priming:

- Well bonded existing ceramic, natural stone and terrazzo floors.
- Concrete screeds.

## FEATURES

- With *Flexfresh*<sup>TM</sup> technology. Revolutionary technology that helps to inhibit the growth of mildew, fungus and other bacteria causing odours and stains in construction materials.
- High solids formulation.
- Provides a rough key-in surface.
- Ready to use latex, no dilution required.
- Provides tough bond of cementitious applications to various substrates.
- Multi-purpose acrylic primer, for wide variety of surfaces.
- Low VOC formulation, contributes to LEED points.

## LIMITATIONS

- Use only on surfaces, which are maintained at a temperature above 10°C (50°F) and below 35°C (95°F) during application and for at least 72 hours.
- Surfaces must be sound, even, dry and free of grease, oil, paint, curing compounds or sealers, hydrostatic pressure, or other foreign matter.
- New concrete slabs must be cured for a minimum of 28 days (up to 90 days in cold, damp or exterior conditions) and have vapor emission of less than 1.36 kg/92.9m<sup>2</sup> (3 lbs/1000 Ft<sup>2</sup>) per 24 hours.
- It is essential to always install several correctly located test areas to ensure compatibility, bond strength and performance of the complete flooring system.

## LEED Points Contribution

MR Credit 5, Regional Materials\*  
IEQ Credit 4.2, Low-Emitting  
Materials – Paints & Coatings  
\*May be eligible

## LEED Points

Up to 2 points  
  
1 point

## TECHNICAL DATA

### Typical Physical Properties

#### Description

Appearance	Low viscosity, white liquid
Viscosity	5000 - 7000 cP
(ASTM D 2196)	
Dry Solids Content	70%
pH	8.5
Specific Gravity	1.1
(ASTM C 905)	
Drying Time	Approx. 30 to 50 minutes.
Flammability	NA
STORAGE	Flexsil 4050 is stable in its original sealed containers for at least 12 months. Protect from freezing.

**APPROXIMATE COVERAGE 16.72 m<sup>2</sup> (180 ft<sup>2</sup>) per 3.8 L (1 U.S. gal.)**

\* Coverages given are for estimating purposes only. Actual coverages may vary depending on job-site conditions and installation techniques used.

## APPLICATION

### SURFACE PREPARATION

1. Surfaces must be structurally sound, well cured and dry. They must also be free of grease, oil, dirt, paint, curing compounds, sealers and other foreign matter. Damp mop or vacuum to remove dust or surface debris.
2. Where necessary, scarify or sand to remove dead or scaled concrete or other contaminants which could affect bond.
3. Maintain temperature in tiled areas at not less than 10°C (50°F) or more than 35°C (95°F) during installation and for at least 72 hours after completion.
4. In all cases, the structural design of the floor shall not allow a deflection greater than L/360 of the span under live and dead loads.
5. Provide for expansion and control joints where specified including the perimeter of the room, columns, supports and equipment pedestals. Do not bridge expansion and control joints.
6. New concrete slabs shall be 28 days old before application; the surfaces shall be dry, and free of hydrostatic pressure: vapor emissions shall not exceed 1.36 kg/92.9 m<sup>2</sup> (3 lbs./1000 sq. ft.) per 24 hours when using the calcium chloride test kit.

For job specific installation systems, recommendations, project warranty information, or for assistance with installation specifications, please contact Flextile's technical department.

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**APPLICATION**

Stir before use as some settling may occur during shipment and storage. Apply primer, onto the surface using a brush or roller working it into the substrate.

Ensure no puddles or excess primer remains on the surface. Install underlayments after the Flexsil Acrylic Primer has changed to a slightly tacky coating. Waiting time before application of levelers etc. is approximately 30 to 50 minutes depending on ambient conditions, and substrate porosity. A second coat may be applied, after the first, ensuring the first coat has properly cured.

**CLEANING**

Flexsil may be cleaned from tools and surfaces while still fresh using water. Once dry, it must be removed using mineral spirits.

**CAUTION**

Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid extended contact with skin where possible and wash exposed skin areas promptly with water. If any cement or cement mixtures get into the eye, rinse immediately and repeatedly with water and get prompt medical attention. Keep out of reach of children.

**SAFETY**

Refer to Flextile Material Safety Data Sheet for detailed health and safety information.

**AVAILABILITY AND COSTS**

Flexsil Acrylic Primer is available from Flextile Ltd. and its distributors in 3.8L (1 U.S. gal.) and 13.25L (3.5 U.S. gal.) sizes. Cost: Data supplied upon request

**WARRANTY**

Flextile warrants that this product is of merchantable quality and is suitable for the purpose for which it is intended. Flextile's liability under this warranty shall be limited to replacement of its product found to be defective or, at its option, a refund of the purchase price.

**MAINTENANCE**

No maintenance is required except where damages result from unforeseen circumstances. Repair procedures shall be directed by Flextile or its distributors.

**TECHNICAL SERVICES**

Flextile maintains a well-equipped laboratory able to test its products in conjunction with the products with which they are used. Technical assistance for use of Flextile products is available upon request.

**RELATED REFERENCES**

Current editions of: Ceramic Tile Installation Manual (09 30 00) from the TTMAC & TCNA Ceramic Tile Installation Handbook.

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TTMAC  ACTTM

