4050 FLEXSIL
MULTI-PURPOSE ACRYLIC PRIMER WITH AGGREGATES

DESCRIPTION

4050 Flexsil Multipurpose Acrylic Primer is a low VOC primer with inert aggregates and special surface bonding additives. 4050 Flexsil Primer is used to promote adhesion of self leveling underlayments and other cementitious topping mixes as well as ceramic tile bond coat mortars to non-porous or otherwise difficult to bond to surfaces.

BASIC USES

For Priming Existing Concrete Surfaces When:

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

For Priming:

- Smooth concrete surfaces
- Well bonded existing ceramic tile, natural stone and terrazzo floors, and other floor coverings
  ** Inquire with Flextile.*
- Clean, structurally sound steel surfaces.
- Various cementitious levelers, mortar beds, and other topping mixes.

FEATURES

- Allows for installation without having to roughen a smooth surface.
- Provides a rough key-in surface - produces a Concrete Surface Profile (CSP) of 2-3.
- Allows for installation over existing floor coverings, negating removal.
- Fast drying.
- Ready to use – no dilution required.
- For a wide variety of uses.
- Provides for a tough bond of cementitious applications to various substrates.
- Low VOC formulation, contributes to LEED points.

With FlexfreshTM technology. Revolutionary technology that helps to inhibit the growth of mildew, fungus and other bacteria causing odours and stains in construction materials.

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/92.9 m² (3 lb / 1000 ft²) 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	LEED Points
MR Credit 5, Regional Materials*	Up to 2 points
IEQ Credit 4.2, Low-Emitting Materials – Paints & Coatings	1 point

**May be eligible*

TECHNICAL DATA

Typical Physical Properties

Appearance	Low viscosity, white liquid
Viscosity (ASTM D 2196)	5000 - 7000 cP
Dry Solids Content	70%
pH	8.5
Specific Gravity (ASTM C 905)	1.1
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 m² (180 ft²) per 3.78 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.*

VOC FREE

Flexfresh ANTIMICROBIAL

Toronto, ON
Burnaby, BC

Email: support@flextile.net
Email: specifications@flextile.net

INSTALLATION

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 7 days 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^2 (3 lb / 1000 ft^2) per 24 hours when using the calcium chloride test kit.

APPLICATION

Stir before use as some settling may occur during shipment and storage. Apply 4050 Flexsil Primer, onto the surface using a brush or roller working it into the substrate.

Ensure no puddles or excess primer remains on the surface. 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

4050 Flexsil Primer may be cleaned from tools and surfaces while still fresh using water. Once dry, it must be removed using mineral spirits.

SAFETY

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

AVAILABILITY

4050 Flexsil Acrylic Primer is available from Flextile Ltd. and its distributors in 3.78 L (1 U.S. gal.) and 13.25 L (3.5 U.S. gal.) sizes.

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.