

4040 PRIMER SL

DESCRIPTION

Flextile 4040 Concrete Primer SL is a high solids, acrylic primer that is used to prime concrete and Exterior Grade plywood floor surfaces to be leveled with cementitious underlayments providing an improved adhesive bond.

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.
- Filling honeycombs in new concrete.
- Tuck pointing mortar.
- Rubbing walls.

For priming properly prepared and structurally sound Exterior Grade Plywood floor surfaces.

FEATURES

- Improves bond strength.
- Reduces porosity of concrete surface, improving mortar mix application characteristics.
- 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.

Concrete 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

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

Appearance	Low viscosity, green liquid
Viscosity (ASTM D 2196)	25 cps (+/- 5 cps)
Specific Gravity (ASTM C 905)	1.00
Drying time	2 to 3 hours
Flammability	NA

Approximate Coverage*

18.9 L (5 US Gallon) - 279 to 375 m² (3000 to 4000 ft².)

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

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.



A. CONCRETE

1. Concrete surfaces should have a wood float or steel trowel with broom finish. Roughen smooth concrete surfaces.
2. 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 m² (3 lb / 1000 ft²) per 24 hours when using the calcium chloride test kit.

B. WOOD

1. Wood surfaces should consist of a top layer of Exterior Grade Plywood, glued and screwed to substrate.

APPLICATION

Apply primer, onto the surface using a brush or broom working it into the substrate with a push broom. Ensure no puddles or excess primer remains on the surface. Install cementitious underlayment after the Flextile 4040 Concrete Primer SL has changed from green to a darker green tacky coating.

SAFETY

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

AVAILABILITY

Flextile 4040 Concrete Primer SL is available from Flextile Ltd. and its distributors in 3.8 L (1 U.S. gals.) 18.9 L (5 U.S. gals.) and 200 L (53 U.S. gals.) 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.

