

MAGIC FINISH

POLYMER-MODIFIED, PREMIUM FEATHER FINISH

PURPOSE

MAGIC FINISH can be used to create an exceptionally smooth and level surface prior to the installation of floor coverings, including carpet, vinyl composite tile (VCT) and vinyl sheet materials. It can also be used for irregularities at thresholds and other transitions in the substrate up to ½" (12.7 mm) thickness.

MAGIC FINISH can be used for flash patching, skim coating, and filling ridges, gouges and seams on practically all types of subflooring, including concrete, plywood, VCT, tile, cement terrazzo and well-bonded non-water-based cutback adhesive residue.

MAGIC FINISH can even be used as a repair compound on exterior, vertical, above-grade concrete surfaces prior to subsequent coating.

DESCRIPTION

MAGIC FINISH is a trowel-applied, polymer-modified, cement-based, rapid-setting underlayment and finishing material. This material provides an exceptionally smooth "feather finish" on a wide variety of substrates, including concrete, plywood, tile, VCT and cutback adhesives.

PACKAGING

MAGIC FINISH is available in 10 lb (4.5 kg) bags and 30 lb (13.6 kg) pails.

PROPERTIES

Compressive Strength (ASTM-C-109)

psi	MPa	
2000-2300	13.8-15.9	at 1 day
2300-2800	15.9-19.3	at 7 days
4500-5000	31.0-34.5	at 28 days

Pot Life (at 70°F (21°C))

15 to 25 minutes

Final Set (at 70°F (21°C))

30 to 40 minutes

Flooring Installation Time (at 70°F (21°C))

50 to 60 minutes

COVERAGE

A 10 lb. (4.5 kg) unit will cover approximately 33 ft² (3.1 m²) at ⅛" (3.2 mm) thickness and 17 ft² (1.6 m²) at a ¼" (6.4 mm).

Skim coating will cover about 200 ft² (18.6 m²) over concrete and 250 ft² (23.2 m²) over plywood.

Coverage rates vary according to the type and porosity of the substrate.

APPLICATION

Storage: To prevent contamination, containers should be tightly closed and properly stored.

Preparation: Subflooring must be structurally sound, well-bonded and fastened. Surfaces must clean of all dirt, dust, oil, grease, paint, coatings, sealers, waxes or any other material that might interfere with bonding. Concrete floors must be cured a minimum of 28 days.

Plywood subfloors should not be directly on grade or ventilated. Plywood should be APA Exterior, Group 1, CC Type.

Adhesives, if present, must be non-water-based type only. Clean existing adhesive by wet razor scraping to a thin well-bonded residue as recommended by the Resilient Floor Covering Institute.

Mixing: MAGIC FINISH is mixed at a rate of 2.5- 2.7 qts. (2.4-2.6 L) of water to 10 lb (4.53 kg) bag of material. Do not use more than the recommended amount of water, and do not retemper during use. Mix full 10 lb. (4.53 kg) units with a mechanical mixer (300 rpm) only. Smaller quantities can be mixed by hand. Mix only as much material as can be used in 25 minutes.

Always use clean, potable water only. Always place water in the mixing container, then slowly add material while continuously mixing. Blend thoroughly to a lump-free creamy consistency, without over-mixing. Temperature of the water and material will affect the working and set time. Higher temperatures will shorten work time while lower temperatures will extend them.

Application: MAGIC FINISH is applied with a straightedge steel trowel forcing the material into the substrate to fill and evenly cover surface voids and defects to a feather finish as necessary. No minimum thickness is required.

Standard floor coverings, including vinyl sheet, VCT, tiles and carpet can be installed over the MAGIC FINISH in approximately 60 minutes after placement. Special floor coverings, including urethanes, epoxies and some adhesives can be installed over MAGIC FINISH in approximately 16 hours after placement.

Unusual applications or conditions may require the technical assistance of a Symons representative.

CLEAN-UP

Clean tools and equipment with soap and water. Do not let MAGIC FINISH set or it will be difficult to remove.

LIMITATIONS

Do not apply at temperatures below 40°F (4°C).

Do not apply over gypsum-based substrates or water-based adhesives.

Do not use as a wearing layer.

Do not use as an exterior patch for horizontal substrates.

SHELF LIFE

Shelf life of properly stored material is one year.

PRECAUTIONS

It is mandatory to take the following precautions to protect workers and the public:

1. KEEP OUT OF THE REACH OF CHILDREN.
2. Contains free silica and may cause delayed lung injury (silicosis). Avoid inhalation of dust and ensure adequate ventilation.
3. Avoid contact with skin. Protective clothing is recommended. Contact areas should be thoroughly washed with soap and water.
4. Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with water if contact occurs.
5. Avoid ingestion of material. If ingestion occurs, contact poison center or physician.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

WARRANTY

Symons warrants, for 12 months from the date of manufacture, or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Symons, the product is free of manufacturing defects and conforms to Symons' published specifications in force on the date of acceptance by Symons of the order. Symons shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Symons instructions in this technical data sheet.

The purchaser must examine the product when received and promptly notify Symons in writing of any nonconformity before the product is used, or no later than 30 days after such nonconformity is first discovered. If Symons, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the nonconforming product, refund the purchase price or issue a credit. This is the sole and exclusive remedy for breach of this warranty.

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