



Spangle™ Floor Finish

Technical Data

July 2006

Description:

3M™ Spangle™ Floor Finish is a high quality water-based emulsion floor finish. 3M™ Spangle™ Floor Finish is a ready-to-use special blend of resins and polymers that forms a brilliant protective coating.

Special Features:

- Provides a brilliant, durable, long lasting gloss
- Easy application – low mop drag
- Excellent leveling, combined with fast dry time
- Excellent slip resistance
- Responds quickly to spray buffing or burnishing
- Excellent mark resistance

Applications:

- Use on resilient tile and terrazzo floors
- Can be maintained with standard speed, high speed or ultra high speed equipment and pads

Packaging:

2-2.5 gallon bottles per case

Note: Protect from freezing

General Use Directions:

Initial Application:

1. Strip all old finish from floor using a 3M™ floor stripping chemical and a 3M™ stripping pad. Rinse and allow floor to dry thoroughly.
2. Prior to applying 3M™ Spangle™ Floor Finish, dust with 3M™ Doodleduster or 3M™ Easy Trap Cloth to remove all fine particulate from the surface.
3. Apply three to four coats of 3M™ Spangle™ Floor Finish. Allow 20-30 minutes of drying time between each coat.
4. Additional coats may be applied as desired.
5. Do not pour unused product back into original container.

Note:

- Apply with a clean finish mop or other 3M™ finish applicators.
- Minimum application temperature is 50°F.
- Coverage is approximately 2000-3000 sq. ft./gallon.

Cleaning:

1. Dust mop with 3M™ Doodleduster or 3M™ Easy Trap Cloth.
2. Damp mop or auto scrub as necessary using a 3M™ Neutral Cleaner and 3M™ Red Buffer Pad No. 5100 or 3M™ TopLine Autoscrubber pad No. 5000 on the autoscrubber.

Repair Options:

1. After cleaning with 3M™ Neutral Cleaner:
 - Low speed buff using 3M™ Spray Buff Cleaner and Polish with 3M™ Red Buffer Pad No. 5100.
 - High speed buff using 3M™ Spray Buff Cleaner and Polish with 3M™ Beige Buffer Pad No. 4200.
 - Burnish with a 3M™ burnishing pad.
 - Burnish using 3M™ Spray Buff Cleaner and Polish with a 3M™ burnish pad.
2. Cleaning and conditioning:
 - Clean the floor using 3M™ TopLine Pre-Burnish Floor Conditioner Concentrate or 3M™ 3-in-1 Floor Cleaner Concentrate with 3M™ Red Buffer Pad No. 5100 or 3M™ TopLine AutoScrubber Pad No. 5000 on auto scrubber.
 - Burnish with a 3M™ burnishing pad.

Scrubbing and Recoating:

1. Scrub traffic areas or the entire floor as required using 3M™ 3-in-1 Cleaner or a 3M™ Neutral Cleaner with 3M™ Blue Cleaner Pad No. 5300.
2. Dust floor with 3M™ Doodleduster or 3M™ Easy Trap Cloth.
3. Recoat the scrubbed area using a minimum of two coats allowing 20-30 minutes between coats.

Product Specifications:

(Typical Values)

1. pH: 8.5 – 9.3
2. Flashpoint: >200°F
3. Solubility in water: Complete
4. Specific Gravity: 1.03
5. Viscosity: <15 centipoise
6. Boiling Point: 795°F
7. Fragrance: Acrylic odor
8. Appearance: Milky-white liquid in the bottle
9. Slip Resistance: Meets or exceeds ASTM-D-2047-04 coefficient of friction of 0.5 on James Static Friction tester

Precautionary Summary:

Eye Contact: Moderate eye irritant.

Suggested First Aid: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Skin Contact: Mild skin irritant.

Suggested First Aid: Wash affected area with soap and water.

Inhalation: Single exposure above recommended guidelines may cause upper respiratory tract irritation

Suggested First Aid: If signs/symptoms develop, remove person to fresh air.

Note:

Refer to product Material Safety Data Sheet (MSDS: 19-0380-6) for specific health hazard, first aid and precautionary information

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Important:

The information provided in this report is believed to be reliable; however, due to the wide variety of intervening factors, 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms of sale are available from 3M.

3M Building and Commercial Services Division

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