

1. PRODUCT NAME

MES 100

Moisture Reduction System

2. MANUFACTURER

Floor Seal Technology, Inc.

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3. USE

Surface applied liquid coating system, installed horizontally, to control concrete slab moisture levels where a moisture sensitive floor covering is to be installed. System is designed for use in areas receiving vinyl composition tile, sheet vinyl, linoleum, wood, rubber, cork, carpet, resinous coatings, and other floor coverings sensitive to slab moisture levels.

4. COMPONENTS

MES 100 Two-component, 3rd generation resin treatment system, VOC compliant, low viscosity and elastomeric properties to expand and contract with limited slab movement. Formulated to saturate concrete surfaces and mechanically restrict moisture and alkalinity levels.

5. TECHNICAL DATA

- E 96 Water Vapor Transmission: Varies by application, 94% reduction per laboratory conditions
- D 1308 Alkali Resistance: PASS, up to pH of 14
- D 4541 Adhesion Strength: 500 psi (100% Concrete Adhesive Failure)
- Resists up to 100% Relative Humidity as measured by ASTM F2170
- VOC: 96g/L per SCAQMD Rule #1113

6. APPLICATION

Treatment to be applied by manufacturer employed or certified personnel. Application technique is dependent upon required vapor emission reduction.

7. PROTECTION

Prior to installation, mask and protect adjacent surfaces from possible damage caused by treatment preparation and installation.

8. SURFACE PREPERATION

Regardless of the age, each slab surface is prepared as follows:

- I. Shot blast entire treatment area to ICRI CSP 3 or 4 to remove hard troweled surfaces and clean concrete.
- II. Clean out joints and cracks down to sound concrete.
- III. Patch surface irregularities with MES 100 resin and/or cement patching material as determined by subsequent floor finish. Resin patching material to be used in areas not requiring cement topping. Cementitious material should never be applied prior to MES 100 application.

9. FLOORING SURFACE

Materials are compatible with any type of floor covering system. A smooth cementitious layer can be incorporated in areas to receive resilient hard surface flooring systems, or as required by floor covering manufacturer's recommended installation instructions.

10. WARRANTY

Floor Seal Technology, Inc. provides a 10 Year warranty against manufacturing and installation defects. Extended warranties beyond 10 years are available for long term building owners or leased space. Concrete floor slabs must comply with the minimum Uniform Building Code or ACI318 Building Code requirements for Structural Concrete in addition to the specified project's plans and specifications (Division 3). Floor Seal Technology must be notified of any deviations. Failure to do so will void any Floor Seal Technology warranties.

In the event concrete moisture or alkalinity damages the installed flooring system, through slab surfaces, existing cracks and joints, at a level below the moisture & pH limit of this system, Floor Seal Technology, Inc. will provide all

labor and materials to repair or replace the affected area. Repair will include new floor materials or coatings, adhesives, patching compounds and professional installation by a licensed flooring contractor or company employee.

See actual warranty for details of what your warranty does and does not cover.

11. AVAILABILITY

Treatments are available Nationwide. Call (800) 572-2344 for a free estimate.

12. TECHNICAL DOCUMENTS

Technical documentation of certified independent ASTM testing performance and MSDS information are available from Floor Seal Technology.

13. SPECIFICATIONS

CSI Master Format™

- Division 3/ Division 7/ Division 9

Contact one of Floor Seal Technology's CSI Certified Construction Product Representatives for specification assistance, including specifying LEED requirements.

14. LEED CONTRIBUTION

Products are not certified under the US Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System. However, product selection may contribute toward points in certain credit categories. MES 100 may contribute to the following credits of LEED for New Construction and Major Renovation v3:

IEQ Credit 4.2 – Low Emitting Materials, Paints and Coatings:

Intent - Reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.

Requirements – Comply with South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings.

MES 100 contains less than 100g/L VOC, meeting the above rule.

MR Credit 4 – Recycled Materials

Intent – Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extracting and processing of virgin materials.

MES 100 contains up to 28% post-consumer recycled content by weight when fully mixed and applied. 28% of the material cost can then be applied towards this credit.

MR Credit 5 – Regional Materials

Intent – Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

Requirement – Use building materials that are extracted, harvested or recovered, as well as manufactured within 500 miles of project site.

Please contact Floor Seal Technology to learn how MES 100 may contribute towards this credit.