

## TRAXX Corporation

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This Manu-Spec® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat™*, *SectionFormat™* and *PageFormat™*. A Manu-Spec is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets [ ]; delete optional text in final copy of specification. Specifier Notes precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate product model numbers, styles and types are used in Specifier Notes and in the specification text Article titled "Acceptable Material." Metric conversion, where used, is soft metric conversion.

This Manu-Spec specifies peel-and-stick rolled moisture barrier, manufactured by Traxx Corporation, that adheres over concrete subfloors. Revise Manu-Spec section number and title below to suit project requirements, specification practices and section content. Refer to *CSI MasterFormat* for other section numbers and titles.

## 096100

## FLOORING TREATMENT

## PART 1 GENERAL

## 1.1 SUMMARY

- A. Section Includes: This Section specifies rolled moisture barrier underlayment.

**Specifier Note: Revise Paragraph below to suit project requirements. Add section numbers and titles per CSI MasterFormat and specifiers practice.**

- B. Related Requirements:

**Specifier Note: Include in this Paragraph only those sections and documents that directly affect the work of this section. If a reader of this section could reasonably expect to find a product or component specified in this section, but it is actually specified elsewhere, then the related section number(s) should be listed in the Subparagraph below. Do not include Division 00 documents or Division 01 sections since it is assumed that all technical sections are related to all project Division 00 documents and Division 01 sections to some degree. Refer to other documents with caution since referencing them may cause them to be considered part of the Contract.**

- C. Specifier Note: Coordinate use of rolled moisture barrier underlayment with installation of finished floor materials.

1. Section [ ].

## 1.2 REFERENCES

**Specifier Note: Define terms that are unique to this Section and are not provided elsewhere in the contract documents. Include in this Article terms that are unique to the work result specified that may not be commonly known in the construction industry.**

**Specifier Note: Paragraph below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain References Paragraph when specifying products and installation by an industry reference standard. List**



retained standard(s) referenced in this section alphabetically. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Contract Conditions Section 01 42 00 - References may establish the edition date of standards. This Paragraph does not require compliance with standard(s). It is a listing of all references used in this section. Only include here standards that are referenced in the body of the specification in PARTS 1, 2 and/or 3. Do not include references to building codes at any level.

A. Reference Standards:

1. ASTM International (ASTM):
  - a. ASTM C627-10 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester.
  - b. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
  - c. ASTM E90-04 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
  - d. ASTM E96-14 Standard Test Method for Water Vapor Transmission of Materials.
  - e. ASTM E492-09 Standard Test Method for Laboratory Measurement of Impact Sound Transmission through Floor-Ceiling Assemblies Using the Tapping Machine.
  - f. ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
  - g. ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
  - h. ASTM E2179-03 Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Ceilings in Reducing Impact Sound Transmission through Concrete Floors.
  - i. ASTM F970 Standard Test Method for Static Load Limit.
  - j. ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.
2. [ ].

**Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Contract Conditions and Section 01 33 00 – Submittal Procedures.**

1.3 SUBMITTALS

- A. Product Data: Manufacturer's standard specifications, descriptive literature and certifications, including:
1. Buy American Act Compliance Certificate.
  2. Spec-Data product sheets.
  3. Catalog pages.
  4. Sample warranty.
  5. [ ].

**Specifier Note: Specify submittals to document manufacturer's storage, installation and other instructions.**

- B. Manufacturer's Written Instructions, including:
1. Delivery, storage and handling.
  2. Preparation and Installation.
  3. Maintenance.
  4. [ ].

**Specifier Note: Coordinate Article below with Contract Conditions and with Section 01 78 36 – Warranties.**

- C. Warranty: Fully executed, issued in [Owner's] name, and registered with manufacturer, including:
1. Manufacturer's [10-year] warranty, from date of substantial completion, against moisture vapor damage to finished floor covering.

2. [ ].

#### 1.4 QUALITY ASSURANCE

- A. Installer: Acceptable to manufacturer, experienced in performing work of this section and specialized in installation of work similar to that required for this project.
- B. [ ].

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in accordance with manufacturer's written instructions.
- B. Deliver materials in manufacturer's original packaging with identification labels intact.
- C. Store materials protected from exposure to harmful weather conditions and at temperature conditions in accordance with manufacturer's written instructions.

**Specifier Note: USGBC's LEED® certification includes credits for the diversion of construction waste from landfill. Diversion can be tracked by either weight or volume but must be consistent for all materials. Manufacturer may reclaim packaging and delivery materials for recycling.**

- D. Remove packaging materials from site and dispose of at appropriate recycling facilities.
- E. [ ].

## PART 2 PRODUCTS

**Specifier Note: Retain Article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as or equal, approved equal or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining or equal products.**

#### 2.1 ROLLED MOISTURE BARRIER

**Specifier Note: Include in the following Paragraph; manufacturer's name, address, phone number, fax number, email address and website URL.**

- A. Manufacturer: TRAXX Corporation.
  - 1. Contact: 1201 East Lexington Avenue; Pomona, CA 91766; Phone: 888-872-9926 (toll-free); Phone: 909-623-8032; Fax: 909-623-8074; Email: jpalys@traxxcorp.com; Website: www.traxxcorp.com.
  - 2. Single Source Responsibility: Provide components and materials specified in this section from a single manufacturer.

**Specifier Note: Substitution procedures must either be in the Contract Conditions or in Section 01 25 00 – Substitution Procedures. Do not include substitution procedures here.**

- 3. Substitutions: [In accordance with [Contract Conditions] [Section 012500 – Substitution Procedures] [No substitutions permitted].

**Specifier Note: Include an overall description of the system, assembly, product or material. Include required properties or characteristics that do not obviously belong under other titles. Examples: Configuration, size and color.**

- B. Product: TraxxShield100™ Rolled Moisture Barrier; flooring underlayment for use over concrete subfloors where high relative humidity or pH conditions are present.

**Specifier Note: TraxxShield100 can be installed by peel-and-stick or loose-lay methods to meet requirements for installation of finished floor covering. Select one or both installation methods required for the job. Schedule areas with different installation methods in PART 3, Attachments.**

- C. Installation Method: [Peel-and-stick for fully adhered installation to concrete subfloor.] [Loose-lay for floating installation over concrete subfloor] [Peel-and-stick, and loose-lay installation methods as scheduled].
- D. Material:
1. Top layer: Non-woven fabric suitable to receive floor covering adhesive or setting mortar; protects core layer against plasticizer migration from floor covering material. 0.002 inches thick
  2. Core layer: 40 mil (1.02 mm) thick rubberized copolymer with crack control properties and adhesive backing for uniform adhesion to concrete subfloor.

**Specifier Note: Release liner is removed for peel-and-stick installations, but remains in place for loose-lay installations.**

3. Release liner: Nylon film protecting adhesive backing until removal at time of peel-and-stick installations.
- E. Roll size: 200 ft<sup>2</sup> (18.58 m<sup>2</sup>); 3 feet (0.914 m) wide by 66 feet 8 inches (20.32 m) long.
- F. Roll Weight: 54.2 pounds (24.58 kg); 0.271 lb/ft<sup>2</sup> (1.32 kg/m<sup>2</sup>).
- G. Total thickness: 0.042 inches (42 mils).
- H. Performance:
1. Permeance: 0.05 perm or less, in accordance with ASTM E96.
    - a. Protects finished flooring against water vapor transmission from concrete subfloor with up to 100 percent relative humidity, in accordance with ASTM F2170 test method.
    - b. Protects finished flooring against alkalinity in concrete subfloor with pH up to 14.
  2. Resistance to mold and fungus: Protects finished flooring against growth of mold and fungus, in accordance with ASTM D3273.
  3. Acoustical properties: Contributes to STC rating of 53 as part of floor assembly, in accordance with ASTM E90 and contributes to IIC rating of 52 as part of floor assembly, in accordance with ASTM E492-09.
  4. Static load limit: Meets requirements of VCT and LVT manufacturers, in accordance with ASTM F970.
  5. Rating for ceramic floor tile installation: 'Extra Heavy', in accordance with ASTM C627.
  6. Flame spread: 0.82 w/cm<sup>2</sup>, Exceeds Class 1, per ASTM E648.
  7. Smoke developed: 450 or less, meeting ASTM E662.

## 2.2 ACCESSORIES

**Specifier Note: Select accessories for peel-and-stick or loose-lay methods to meet requirements for installation of finished floor covering. Select one or both installation methods required for the job. Schedule areas with different installation methods in PART 3, Attachments.**

- A. Peel-and stick installation method:
1. Patching and leveling compound: Warranted by manufacturer for high moisture applications.
  2. Primer: Traxx Corporation; TraxxShield100 Primer: High-solids primer for porous and non-porous concrete.
  3. Seam Tape: Traxx Corporation; TraxxShield100 Seam Tape: 2 inch (51 mm) wide for peel-and stick installations.
- B. Loose-lay installation method:
1. Double-Sided Seam Tape: Traxx Corporation; TraxxShield100 Double-Sided Seam Tape: 2 inch (51 mm) wide for top and bottom seaming applications in loose-lay installations.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that conditions of work previously installed under other sections or contracts are acceptable for installation of rolled moisture barrier in accordance with manufacturer's written instructions.
1. Notify [Architect] of unacceptable conditions upon discovery.
  2. Proceed with preparation and installation only after unacceptable conditions have been corrected.

B. [ ].

**Specifier Note:** Specify actions required to prepare the surface, area or site for incorporation of the section's primary products. Describe requirements for exposure or removal of existing assemblies, components, products or materials.

### 3.2 PREPARATION

**Specifier Note:** Specify preparatory work required prior to installation/application/erection of primary products.

A. Prepare concrete subfloors for installation of rolled moisture barrier in accordance with manufacturer's written instructions.

B. [ ].

### 3.3 INSTALLATION

A. Install rolled moisture barrier in accordance with manufacturer's written instructions and approved submittals.

B. [ ].

### 3.4 CLEANING

A. Clean-up waste and debris daily during installation.

B. Upon completion, remove surplus materials, remaining debris, tools and equipment.

C. Collect recyclable waste and dispose of as directed.

D. [ ].

**Specifier Note:** Specify protection methods completed after installation, but prior to acceptance by the owner. Protection of surrounding areas and surfaces during application or installation is included under PART 3, Preparation. Include only statements unique to this Section.

### 3.5 PROTECTION

A. Protect installed product from damage until installation of finished floor covering.

B. [ ].

### 3.6 ATTACHMENTS

**Specifier Note:** Schedules are sometimes placed in the specifications rather than on drawings. Include schedules that indicate item/element/product/equipment, location and other coordinating data.

A. Schedules:

1. [ ].

**END OF SECTION**