

## WALK-IN COOLER FLOOR SPECIFICATIONS

Successful bidder to furnish and install a water, and slip resistant floor.

The specification must meet or exceed the following:

**Scope of Work:** Successful bidder will provide flooring installation services and materials for the Customer in the area or areas specified and physically located at:

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Work performed hereunder will be performed in accordance with B&M Innovations, LLC's standard installation specifications.

**Limitations:** Any equipment in the area where floor is to be installed, that is required to be disconnected, moved and reconnected in accordance with flooring installation and schedule requirements, it is the Customer's or the General Contractors responsibility. The Customer will insure parties contracted by the Customer for new floors or renovation and/or equipment moving coordinate with the successful bidder services regarding job scope requirements and scheduling.

### **Quality Assurance**

- A. Installer Certification Requirements: a minimum of two years on-site training in heat-welding, custom base production, drain securement, and personnel management are required to earn installation certification.
- B. Single-Source Responsibility: To obtain Thermoplastic Slip Resistant Flooring supplier has been determined to posse adequate resources necessary to provide quantity, consistency and quality requirements in both appearance and physical properties without delay of project scheduling and/or deadline.
- C. Fire Performance Characteristics: Provided floor coverings with the following fire performance characteristics as determined by testing products per ASTM test method indicated below by Underwriters Laboratories, Inc (UL) or another testing and inspection agency acceptable to authorities having jurisdiction. Floor must be NFS approved.

- Abrasion loss.....0.20 grams
- Bacteria and Mildew Resistance.....PASS.....ASTM G-21-09
- Coefficient of Friction (Slip Resistance) avg.
  - Wet .88c.....Dry .92c.....ASTM D1894-99 (Modified)
- Elongation.....100.0% min.....ASTM D4 12
- Embossing.....Face=Stipple.....Back=Cloth

#### Fire Test (NFPA Class 1 Rated)

- Critical Radiant Flux.....0.50w/cm<sup>2</sup>.....ASTM E648-08
- Burn Distance.....40 cm.....ASTM E648-08
- Shore "A" Hardness.....90 +/-5.....ASTM D2240
- Tensile Strength.....600 PSI (min) I.....ASTM D412
- Thickness.....0.250 inches.....ASTM D751
- Weight (oz./sq. ft.).....approx. 27.....ASTM D751

$a_{md}$ =machine direction

$b_{cmd}$ =cross machine direction

$c$  coefficient of friction (slip resistance) measured on a scale of .00 to 1.00. OSHA regulations require minimum of .50 wet or dry. ADA regulations require minimum of .60 wet or dry. At .88 dry and .92 wet the Slip Resistant Safety Floor has a substantially greater degree of coefficient of friction (slip resistance) than is required by either OSHA or ADA.

$d$  Also referenced as NFPA 253 and FTM Standard 372

### **Project Conditions**

- A. Areas to be installed must maintain a minimum temperature of 70 degrees Fahrenheit both 24 hours prior to and 24 hours following installation of Thermoplastic Flooring materials.
- B. Installation of flooring materials will not commence until said materials have acclimated to the same temperature as the area to be installed. This should be taken into considerations when choosing where to store flooring material and related accessories.
- C. Areas to be installed are to be closed to traffic during installation of flooring materials. They are operable as soon as the installation crew has completed and vacated the scheduled area.

Integrated wall base along with inside and outside corners are to be custom fabricated onsite using the Thermoplastic sheets. The sheet will extend 6" up on walk-in walls and flashed with .050 gauge aluminum flashing and secured with stainless steel screws and adhesive. Stainless steel outside corner guards installed providing cove protection. Customers who require 12", 18" or 54" wall base, please call BMI for specifications on these heights.

Transition strips at thresholds to be 14 gauge stainless steel, and extend into the kitchen for a smooth transition of racks and carts. Retrofit coolers will require a CFT-375.

Floor material must meet ASTM ratings: G21-E648-C657-D412-E831 and D751 and to be manufactured from recycled thermoplastic polyvinyl chloride (PVC). Floor must be NSF & UL approved.

Floor to be Thermoplastic interlaced with stranded reinforcement sheet material and to be ¼" thick with gray finish with backside to be cloth/grind finish. Thermoplastic sheets are to be heat welded with thermoplastic rod.

The installation of the flooring to include welding, with proprietary welding rods on all seams and the adhesive to be Envirobond 2 part epoxy adhesive as certified by BMI for installation of vinyl and rubber sheet products.

Adhesive must be installed with a 1/32" x 1/32" x 1/16" notched trowel. All products **MUST** be used in less than one hour after mixing.

All flooring to be rolled and cross rolled with a 150lbs. sectional roller within one hour after floor is installed. Use hand roller in areas which cannot be rolled with large roller.

The installation is to be by approved installers with a minimum of three (3) year's experience. Any substitutions requests furnish a list of ten (10) installations with address, contacts, and telephone numbers, completed in the past three (3) years.

\_\_\_\_\_ will approve or deny any request. All requests must be provided ten (10) days prior to bid opening.

The installer is to receive the product at the job site or to deliver to the job site. There will not be personnel at the kitchen to receive any shipments.

Job and kitchen is to be left in a clean order. Payment will be made within thirty (30) days after all work is cleaned and accepted. Warranty of ten (10) years for new cooler boxes and five (5) years for retrofit cooler boxes is to start upon acceptance of completed job by \_\_\_\_\_ or their representative.

All bidders, or their representatives, must attend a pre-bid meeting, scheduled on \_\_\_\_\_ at \_\_\_\_\_ o'clock. The meeting will be held at \_\_\_\_\_.

Bid opening will be conducted \_\_\_\_\_ at \_\_\_\_\_ o'clock at the \_\_\_\_\_.

All work must be completed by \_\_\_\_\_.