

1. Submittals Required:

- 1.1. Product Technical Data Sheets for all materials, components and accessories
- 1.2. Clearly identify option(s) including sizes and colours.
- 1.3. Drawings indicating patterns, orientation and transitions.
- 1.4. Intended coordination with other trades.
- 1.5. Identify method for returning existing carpet/matting from site and shipping to original or supporting manufacturer for remanufacture.
- 1.6. Sample minimum 150 x150mm or one full carpet tile

2. Testing and Standards:

- 2.1. Use flooring appropriate to application
- 2.2. Heavy commercial traffic
- 2.3. Dimensional Stability: AACHEN Din 54318 <.10%
- 2.4. Slip resistance ASTM D2047: SCOF >0.6
- 2.5. Soil / stain resistant
- 2.6. Fire and Smoke Testing/Standards
 - 2.6.1. NFPA 253 / ASTM E 648 Radiant Panel Testing; passes Class I FR
 - 2.6.2. ASTM D2859 Methenamine Pill Test: Pass
 - 2.6.3. ASTM E662 Smoke Density: <450
- 2.7. Sustainability Standards:
 - 2.7.1. 100% recyclable in North America
 - 2.7.2. Solution Dyed Nylon 6 or Nylon 6.6 100% recycled
 - 2.7.3. 60% or greater recycled and bio-based content in backing.
 - 2.7.4. Cradle to cradle or other closed loop certification.
 - 2.7.5. LEED; current certifications.
 - 2.7.6. Green Circle Certified or other recognized
- 2.8. Indoor Air Quality, Low emitting materials.:
 - 2.8.1. Approved third party testing.
 - 2.8.1.1. Green Label Plus or
 - 2.8.1.2. Floor Score Certified
 - 2.8.2. Must not contain Red List Chemicals, i.e. Added Urea or Phenol Formaldehyde, Heavy Metals, Ortho Phthalates, Fluorinated Chemicals (PFAS), Halogenated Flame Retardants, PVC's.
 - 2.8.3. ASTM E 2471-05 No added anti-microbial; EPA registered pesticides,
- 2.9. Minimum 15-year commercial warranty.

3. Adhesive Glue:

- 3.1.1. Releasable and re-bondable,
- 3.1.2. LEED Credit available
- 3.1.3. VOC's meet SCQMAD Rule 1168 2017 revision or better, <50g/L
- 3.1.4. Approved manufacturers include but not limited to,
 - * note manufacturers entire product line may not comply:
 - 3.1.4.1. Henry
 - 3.1.4.2. Roberts
 - 3.1.4.3. Parabond
 - 3.1.4.4. Shaw
 - 3.1.4.5. XL Brands

4. Adhesive Tapes, Dots or Other Floating Installation System

- 4.1. Adhere to manufacturers product limitations include but not limited to maximum area, backing type, inclusion of adhesive glues.
- 4.2. Areas not confined by partitions must be installed with border in adhesive glue

5. Carpet Tile or Plank, Broadloom, Powerbond or other carpet format.

- 5.1. Acceptable manufacturers / suppliers include and are not limited to:
 - * note manufacturers entire product line may not comply:
 - 5.1.1. INTERFACE Carpet Tile
 - 5.1.2. Tarkett Tandus Centiva
 - 5.1.3. SHAW Contract
 - 5.1.4. Mohawk
 - 5.1.5. *Reserved.*

6. Walk Off Matting Systems

- 6.1. Entry way and Rollout products adhere to above testing and standards for materials and adhesion.
- 6.2. Entry way and Rollout products to manufacturers product limitations include but not limited to maximum area, backing type, inclusion of adhesive glues.
- 6.3. Install permanent entryway systems minimum 3 metres long in the primary direction of travel to capture dirt and particulates entering the building at regularly used entrances that are directly connected to the outdoors or other contaminant generating spaces. Must be width of entryway or greater.
 - 6.3.1. Lobbies to have matting sufficient to effectively remove dirt, water, snow and salt; trapping at the entrance area.
 - 6.3.2. Must not impede Wayfinding or Visual and Tactile Detection Systems such as truncated domes or contrast nosing's at stairs and ramps.

- 6.4. Roll out products are permissible after permanent entryway system provided they comply with Indoor Air Quality and closed loop manufacturing requirements.
- 6.5. Tile, Powerbond and Broadloom formats are all acceptable.
- 6.6. 100% closed loop recyclable.
- 6.7. Suitable to Severe Heavy Commercial Traffic conditions.
- 6.8. Tufted Pile Weight >22 oz./yd²
- 6.9. Density > 6400 oz./yd²
- 6.10. Slip resistant and soil resistant.
- 6.11. Acceptable manufacturers collections include and are not limited to:
 - 6.11.1. INTERFACE Carpet Tile: Step Repeat
 - 6.11.2. Tarkett Tandus Centiva: Abrasive Action
 - 6.11.3. SHAW Contract: Welcome II
 - 6.11.4. Mohawk: First Step II

7. Demolition and Installation

- 7.1. Become familiar with the building and any special or unusual conditions.
- 7.2. Identify demolition materials, substrate type and any designated substances within; Prepare and dispose of any designated substances with licensed environmental contractor prior to sanding, stripping, repairs, patching or removal.
- 7.3. *Use Closed Loop take back programs from manufacturers to eliminate use of landfill.*
- 7.4. Work to be performed to manufacturers written instructions appropriate to substrate.
- 7.5. When installing over existing flooring / substrate test for designated substances, select installation method after DSR is received.
- 7.6. Test substrate for moisture and alkalinity.
- 7.7. Prep substrate removing adhesives, solvents and other contaminants. Secure. Patch and prime.
- 7.8. Layout to minimize seams and small pieces.
- 7.9. Layout installation with laser and chalk lines.
- 7.10. No cuts less than 100mm to be installed.
- 7.11. Direct glue installations. Use manufacturers recommended product
- 7.12. Floating adhesive tape/dot installation system tested by manufacturer.
- 7.13. Roll floors with weighed roller.
- 7.14. Perform work with sharp blades and cut new piece where overcutting has occurred.
- 7.15. Proceeding with work over unsatisfactory substrate indicates acceptance by trade and will be considered when remediation or warranty work arises.

- 7.16. Entryway and Roll out Systems must not impede Wayfinding or Visual and Tactile Detection Systems such as truncated domes or contrast nosing's at stairs and ramps.
- 7.17. Installation on Stairs will only be accepted in conjunction with complete submission for stair system addressing accessibility and demonstration of successful product performance.

END OF SECTION.