

SECTION 124840 - ENTRANCE FLOOR MATS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Resilient entrance mats.
 - 2. Surface-mounted frames.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings:
 - 1. Divisions between mat sections.
 - 2. Perimeter floor moldings and frames.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance data.

PART 2 - PRODUCTS

2.1 ENTRANCE FLOOR MATS AND FRAMES, GENERAL

- A. Accessibility Standard: Comply with applicable provisions in the DOJ's "2010 ADA Standards for Accessible Design" and ICC A117.1.

2.2 RESILIENT ENTRANCE MATS

- A. **Manufacturers:** Subject to compliance with requirements, provide products by one of the following based on ALDI Division:
 - 1. For ALDI Divisions: DEN, FAR, FRE, GDY, HAI, OAK, OLA, PET, ROS, RPB, SBY, SPR, SXB, and TUL use the following awarded supplier:
 - a. **Construction Specialties, Inc.**
 - 1) CS Construction Specialties National Accounts
 - a) Address: 4005 Royal Drive NW, Suite 100, Kennesaw, GA 30144
 - b) Email: nationalaccounts@c-sgroup.com
 - c) Phone: 1-888-331-2031
 - 2) National Account Contact: Nick Couse

ALDI Retail Facility

- a) Phone: 315-690-7141
 - b) Fax: 908-849-4295
2. For ALDI Divisions: BAT, CTV, DWT, GRE, HIN, JEF, LOX, MOR, MTJ, OFA, SWN, VAL, and WEB use the following awarded supplier:
- a. Matter Surfaces.
 - 1) National Account Contact: Tim Theroux
 - a) Phone: 781-408-9500
 - b) Ordering Email: aldi@mattersurfaces.com
- B. Combination Resilient and Carpet Mats:
1. Specific mat texture and carpet characteristics have previously been selected by ALDI for national account pricing for each manufacturer listed above.
 2. Accessories: Subframe elements in mat fields per manufacturer's standard requirements.

2.3 FRAMES

A. Surface-Mounted Frames:

1. Tapered Frames: Tapered aluminum frame members.
 - a. Aluminum Color: As previously selected by Owner with each vendor.

2.4 FABRICATION

- A. Floor Mats: Shop fabricate units to greatest extent possible. Unless otherwise indicated, provide single unit for each mat installation; do not exceed manufacturer's recommended maximum sizes for units that are removed for maintenance and cleaning. Where joints in mats are necessary, space symmetrically and away from normal traffic lanes. Miter corner joints in framing elements with hairline joints or provide prefabricated corner units without joints.
- B. Coat concealed surfaces of aluminum frames that contact cementitious material with manufacturer's standard protective coating.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install recessed mat frames and mats to comply with manufacturer's written instructions so that tops of mats will be flush with adjoining finished flooring. Set mats with tops at height recommended by manufacturer for most effective cleaning action; coordinate tops of mat surfaces with bottoms of doors that swing across mats to provide clearance between door and mat.
- B. Install surface-type units to comply with manufacturer's written instructions; coordinate with entrance locations and traffic patterns.

3.2 PROTECTION

- A. After completing frame installation and concrete work, provide temporary filler of plywood or fiberboard in recesses and cover frames with plywood protective flooring. Maintain protection until construction traffic has ended and Project is near Substantial Completion.

Helix®

Product Details

- Tile size: 12" x 9" x 7/16" (304.8mm x 228.6mm x 11.1mm)
- Recyclable UV-resistant, PVC/NBR compound
- Large sections to be joined using U-channels

MODEL	ROLLING LOAD	INSERT OPTIONS	PRODUCT WEIGHT
Z1	1,000 lb/wheel	NA	1.31 lb/sq ft
Z2	600 lb/wheel	Exterior or Heavy-Duty Carpet	1.28 lb/sq ft

Mounting & Frame Options

FRAMETYPE	SURFACE MOUNTED	RECESS MOUNTED
Tapered Aluminum	•	
Carpet Transition	•	
Level Base		•
Tapered Angle		•

Warranty

- Two-Year Limited Warranty

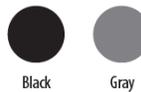
Model Options



Helix Z1

Helix Z2

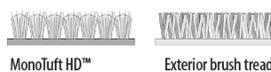
Tile Color Options



Black

Gray

Z2 Carpet Options



MonoTuft HD™

Exterior brush tread

See all insert options online at c-sgroup.com.



Learn More →

Helix®



Model Z2

Helix is a modular tile system that effectively traps dirt and debris at the door. Tiles snap together and can be surface or recess mounted to provide exceptional protection to the rest of your interior. Slip-resistant and durable, Helix is available with or without carpet inserts.

Advantages

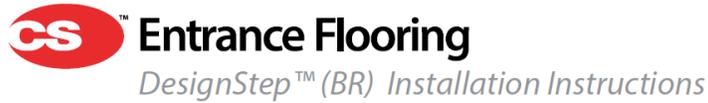
- Economical
- Textured surface for scraping shoes
- Open cells effectively trap dirt and debris
- Recessed and surface mounted options
- Optional carpet inserts
- Tiles stay in place with hidden connectors

Building Segments

- Aviation & Transportation
- Education
- Healthcare
- Office & Mixed Use
- Retail & Hospitality
- Senior Living
- Sports & Entertainment

Applications

- Lobby entrances



Read through all instructions prior to starting installation.

1. Sub Floor and Floor Preparation

- Control temperature: 65° F. Ambient, relative humidity: 10% - 65%. Slab cannot be less than 65° for at least 48 hours after installation.
- All holes, cracks and depressions must be filled with latex underlayment and eliminated.
- Concrete must be fully cured, clean, dry, smooth and free of debris or any other material that would prevent a good bond.
Primers not recommended.
- Ongrade concrete sub floors must be free of hydrostatic pressure.
- It is the responsibility of the flooring contractor to determine the dryness of all concrete sub floors before installation.

2. Be sure area is properly ventilated.

3. Install frames if applicable (see framing options on page 2). Install frames around perimeter of carpeting. Secure with supplied fasteners or double-sided tape.

4. Apply adhesive using one of the following methods.

- 1/16" notch trowel with a spread rate of approximately 139 square feet per gallon.
- Nap roller with a spread rate of approximately 250 square feet per gallon.

5. Keep the applied adhesive free of dust. You may install carpet when adhesive has turned from milky white to clear and will not transfer to touch.

6. Carpet Installation

- Install tiles in aesthetic layout or pattern as described the by the end user
- Complete by trimming all the perimeter carpeting flush with the inside of the perimeter aluminum framing or wall with utility knife or carpet knife.
- Use straight edge to ensure clean, straight cut.

7. Cleanup and Storage

- Clean up accidental spills on face of carpet or other surfaces by blotting or wiping with a wet cloth before adhesive dries.
- Use all-purpose safety solvent for dried adhesive.
- Soak tools in water and peel or use solvent.
- Store in cool, dry place and close container tightly after each use.

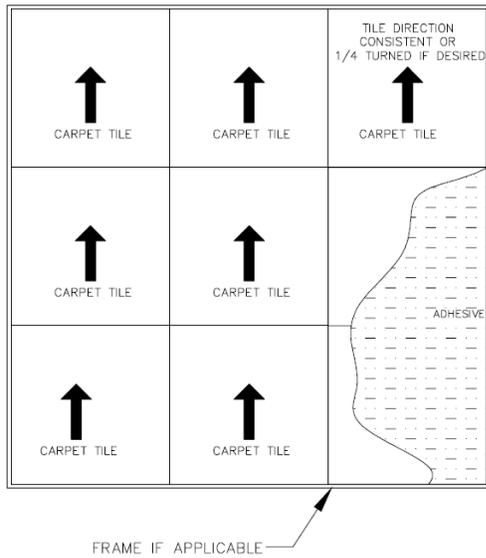


To download details, specs & photos visit www.c-sgroup.com/efs
For technical and design assistance call 800.233.8493

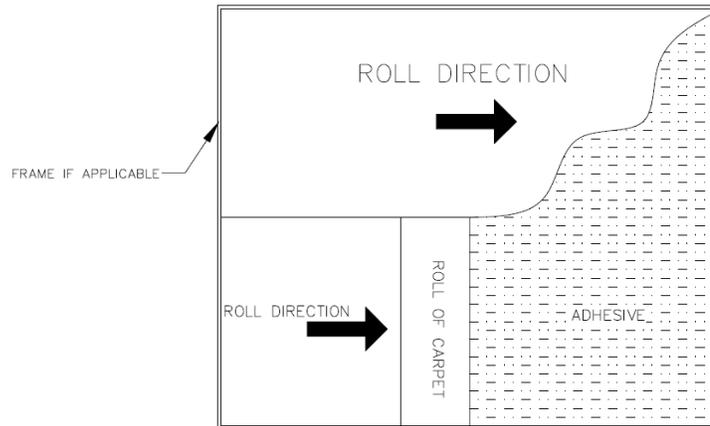
© Copyright 2017 Construction Specialties, Inc.
Construction Specialties, Inc. reserves the right to make design changes or withdraw any design without notice

CS™ Entrance Flooring
 DesignStep™ (BR) Installation Instructions

Carpet Tile Installation



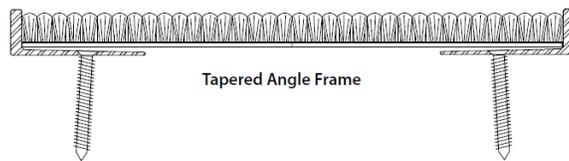
Carpet Roll Installation



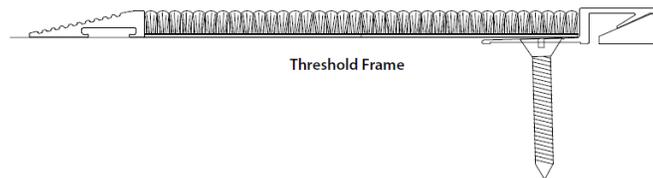
Framing Options



Surface Mounted Aluminum Frame



Tapered Angle Frame



Threshold Frame



To download details, specs & photos visit www.c-sgroup.com/efs
 For technical and design assistance call 800.233.8493

© Copyright 2017 Construction Specialties, Inc.
 Construction Specialties, Inc. reserves the right to make design changes or withdraw any design without notice



Care and Maintenance

1. Vacuum a minimum of once daily with a commercial grade vacuum.
2. DesignStep should be periodically deep-cleaned by the hot water extraction method. Construction Specialties recommends a minimum quarterly extraction cleaning for high-traffic applications and more periodic cleaning during the winter months in traffic lanes.
3. Spot Removal: if a spill occurs, use a clean, absorbent cloth or paper towel to absorb as much liquid as possible. Blot from edge of spot to center to prevent from spreading. Spray the stained area with an all-purpose spot remover and rub the surface with a clean, white cloth. Grease or oil-based stains may require a citrus-solvent based spot remover. Always test spot removers on an inconspicuous area of the mat.
4. Replacement products are available and can be purchased to renew the look and function of your mats for a fraction of the cost of replacing the entire units. Call us at 800.233.8493 and our product marketing managers will assist you.



To download details, specs & photos visit www.c-sgroup.com/efs
For technical and design assistance call 800.233.8493

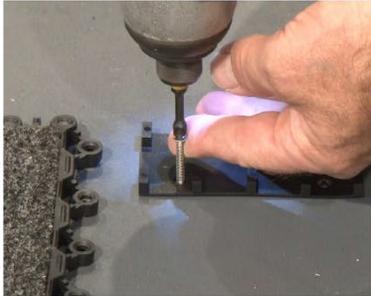
© Copyright 2017 Construction Specialties, Inc.
Construction Specialties, Inc. reserves the right to make design changes or withdraw any design without notice

CS™ Entrance Flooring

Installation Instructions
Helix® Z1/Z2 with Tapered Angle Frame

View the installation video for this model at
www.c-sgroup.com/entrance-flooring/videos

Installation Instructions (continued)



13 Remove the Helix tiles to access the remaining two screw holes and fasten



14 The remaining border spaces in the recess will need to be filled with Z1 tiles. Measure the remaining opening and transfer the measurements to the tile. Cut with a utility knife and square



15 Important step: tiles should be installed in alignment with the adjacent tiles and will only require one edge to be cut. Be sure to cut on the opposite side of the required male or female connection



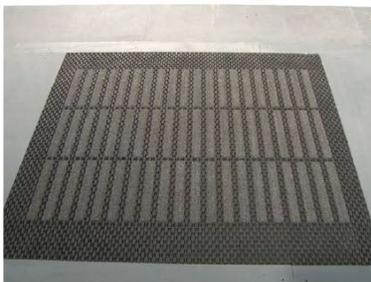
16 Use a rubber mallet to secure the tiles together



16 Continue cutting and installing Helix Z1 tiles on all remaining sides



17 Only corner tiles will need to be cut on two edges



18 Vacuum the surface to remove any construction debris or dust. Use a damp mop on any exposed Z1 surfaces if necessary. If construction is ongoing, cover the unit with plywood sheathing.



19 Care & maintenance: Helix can be rolled back for scheduled cleaning to remove the dirt underneath the unit

To view details, specs and product info visit www.c-sgroup.com/efs.
For technical and design assistance call 800.233.8493

© Copyright 2018 Construction Specialties, Inc.

matter

Matter Surfaces
179 Campanelli Parkway
Stoughton, MA 02072
mattersurfaces.com

Bastion & Turret Interlocking Tiles

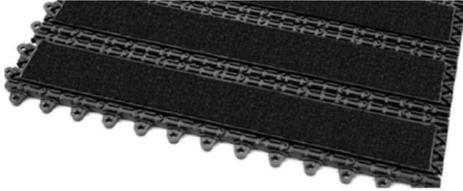


Figure 1 Bastion Tile



Figure 2 Turret Tile

I. General Information

Bastion and Turret tiles provide remarkable dirt and moisture removal. Heavy duty construction is designed specifically for entryways with high density foot traffic. It performs best in weather protected areas.

This product must be installed by professional installers that have sufficient professional liability insurance coverage (aka Errors and Omissions Insurance) for the project Matter Surfaces recommends installing and maintaining entrance matting at all outdoor entrances; this will improve air quality, reduce maintenance costs, and lengthen the life of your floors.

Proper glides must be used on all furniture that may slide directly across the floor, consult the furniture manufacturer for recommendations for use on resilient flooring. Heavy objects must not be moved directly across the floor; use protective boards.

Direct sunlight can cause UV damage (fading or bleaching) to most interior finishes, so Low E glass should be selected that will reduce the UV transmission to less than 1%. If not, applying 3M™ protection film (or similar) on the windows is recommended.

Do not install any material that has visible defects or damage. A contractor that installs any material that has visible defects or damage assumes responsibility for the damaged material. All Safety Data Sheets (SDS) and Installation, Maintenance and Warranty requirements must be read, understood and followed.

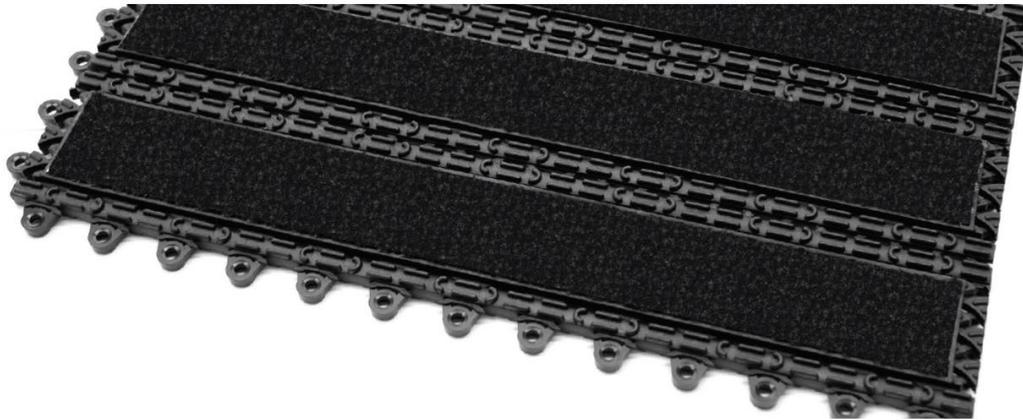
These instructions supersede any verbal or written instructions from Matter Surfaces representatives and must be followed for the limited warranty to be in effect.

Technical Documentation

Tile size	14.5" x 8" (0.81 sq.ft. per tile)
Thickness	11 mm (0.42")
Composition	UV-resistant vinyl/NBR
Insert Pile Material	100% polyamide (Bastion)
Color	Black
Weight	Bastion: 1.52 lbs./sq.ft. Turret: 1.47 lbs./sq.ft.
Packaging	14 tiles / pkg (11.27 sq.ft.)
Limited Warranty	3 years

Bastion

matter



Standard Offering- New York Collection



Charcoal Splash
Standard Insert Option
Charcoal Dark Gray Light Gray Brown Brown Sugar

Premium Offering- Trilogy Tile



Abalone Cremini Indigo Oyster Portobello

Features

- Heel safe entrance mat provides remarkable dirt and moisture removal and elegant appearance together with its interlocking tiles and high performance carpet inserts. It is ideal in areas where visual attractiveness is expected.
- Heavy duty entrance mat is specially designed for entranceways with high density foot traffic, such as airports, subway stations, shops, shopping centres, hotels, offices, hospitals and schools. It performs best when used indoors or in weather protected areas.
- Open grid design allows fluid and small debris to pass through the openings keeping the surface dry and clean. The tile's textile surface scrapes shoes clean and provides a safe, slip resistant walking surface.

Specifications

Material UV-resistant vinyl/NBR	Height 11 mm (.43")	Tile Color Black
Tile Sizes 14.5" x 8"	Weight 1.5 lbs/sqft	Insert Pile Material 100 % polyamide
Packaging 14 tiles /pkg (10.76 sqft)		

matter

Matter Surfaces | +1 800 628 7462 | customer@ mattersurfaces.com | mattersurfaces.com

Turret

matter



Standard Offering



Black

Features

- A functional entrance mat offering highly effective cleaning action and extreme durability. Unique pattern of parallel channels and resilient non slip knobs on the surface of the tile capture dirt, sand and debris in the entrance area.
- Heavy duty entrance mat is ideally suited for entranceways with high density foot and trolley traffic, such as airports, subway stations, shops, shopping centres, hospitals and schools. It is strong matting for a long life span in demanding indoor and outdoor conditions.
- An open construction and innovative design gives high dirt and dust retention and keeps surface safe and clean.
- Heel proof interlocking tile is fully compatible with Bastion tiles.

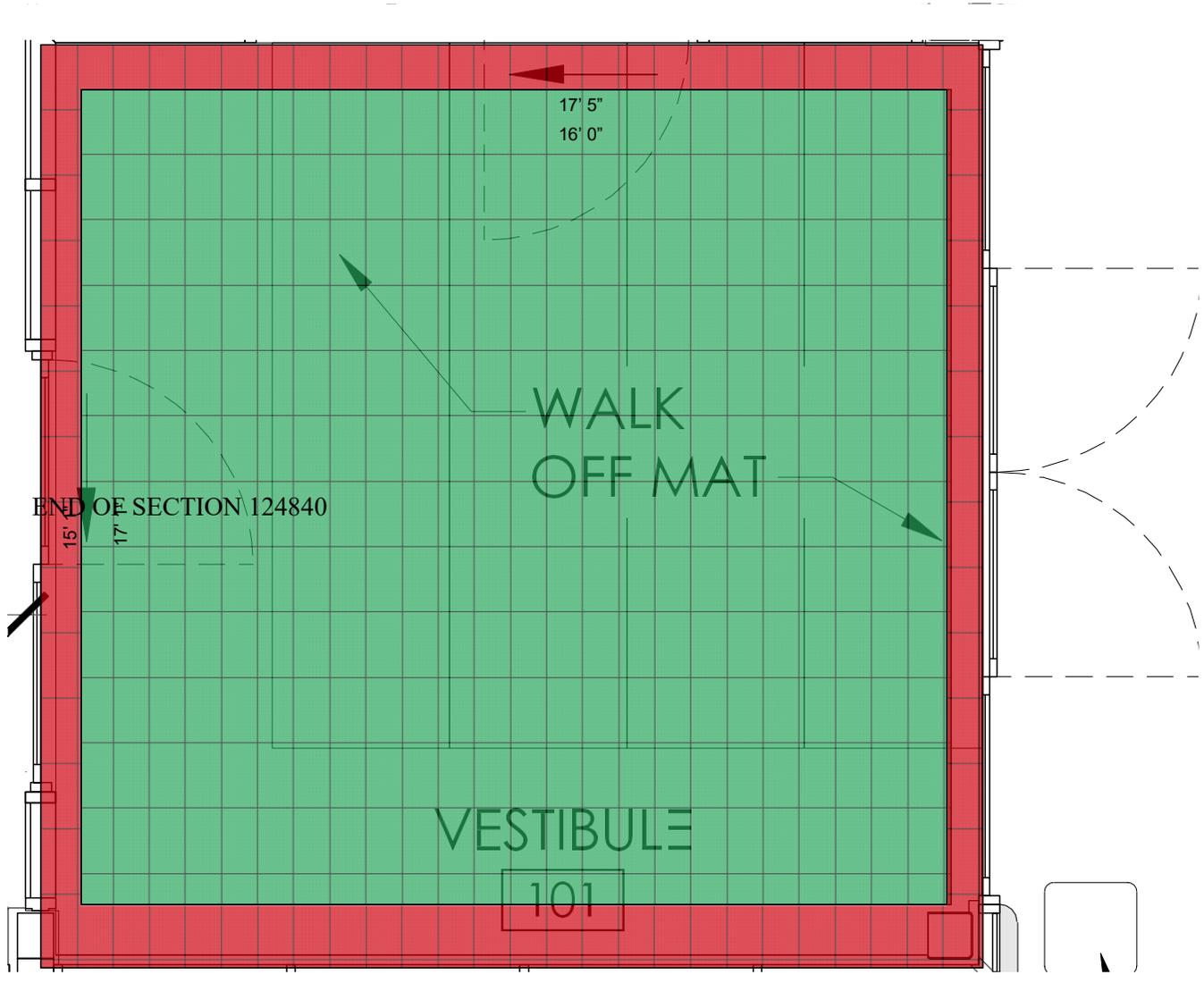
Specifications

Material UV-resistant vinyl/NBR	Packaging 14 tiles / pkg (10.76 sqft)	Weight 1.475 lbs/sqft
Tile Sizes 14.5" x 8"	Height 11 mm (7/16")	

matter

Matter Surfaces | +1 800 628 7462 | customercare@mattersurfaces.com | mattersurfaces.com

Aldi Entrance Mats Bastion Tile with Turret Tile Border



-  Grid Tiles 14.5" x 8": Bastion Tile - Charcoal Splash Insert
-  Grid Tiles 14.5" x 8": Turret Tile

7/15/24 CH



Matter Surfaces
179 Campanelli Parkway
Stoughton, MA 02072
mattersurfaces.com

Bastion & Turret Interlocking Tile

Maintenance

The performance of an entrance matting system is dependent on how well it is maintained. Bastion and Turret Interlocking Tiles, and the floor beneath, should be regularly cleaned and maintained to ensure that the mat system maintains its effective performance.

A planned maintenance schedule should be developed related to the amount of traffic passing over the entrance system.

The frequency of cleaning will depend on traffic volume. The greater the traffic volume, the more strict the cleaning regime should be

Bastion and Turret Tiles have open construction. Open construction provides spaces for dirt and moisture to fall through the matting to the floor beneath. The tiles should be lifted regularly to allow the surface beneath to be thoroughly vacuumed. All stones and particles should be vacuumed and removed for best performance of matting system.

The top surface of the tiles clean easily by using a commercial vacuum, and if necessary, hose down the mat tiles and allow to dry.

The connections of the modular tiles should be checked and the damaged tiles should be replaced immediately. Due to the unique interlocking installation, it is very easy to replace a damaged tile with a new one.

Dry dirt

Dry dirt consists primarily of dust and sand. Sand can damage the quality of the pile because it is as hard as glass. It is therefore important to vacuum it up as quickly as possible. Otherwise, the shine and texture of the carpet inserts of entrance mat will deteriorate.

Wet Dirt

Wet dirt consists chiefly of water containing dry dirt and is visible as a stain. Allow entrance mat to dry thoroughly (this takes place more rapidly in a well-ventilated space) and then treat the stain as dry dirt.

Daily Maintenance

The most effective method is to use a powerful vacuum cleaner together with a rotating brush. Vacuum slowly and in every direction across the mat. This is the most effective way to loosen and remove the dirt embedded in the pile. This also pulls the threads of the pile upwards, making the entrance mat look like new. If dirt is allowed to accumulate, the mat will quickly become permeated, thereby reducing its effectiveness. This can be prevented by daily vacuuming. Periodic maintenance in spite of daily maintenance, the entrance mat will become permeated with dirt over time. This significantly reduces the effectiveness, dirt concealing and absorbing properties of the mat. Intense periodic maintenance is therefore necessary to maintain the effectiveness of the mat as well as significantly reduces any visible tracks. The best periodic

matter

Matter Surfaces
179 Campanelli Parkway
Stoughton, MA 02072
mattersurfaces.com

cleaning method for entrance mats is the spray extraction method. This treatment entails spraying water into the pile under high pressure and then vacuuming it up together with the dirt. If the entrance mat becomes very dirty, (pH neutral) cleaning agents can be added to the water. However, it is important that the residual cleaning agent be thoroughly removed because any residual soap can quickly attract dirt again. We therefore recommend carrying out the spray extraction method using water only. Allow the entrance mat to dry thoroughly following treatment. This process will take place more quickly if the space is well ventilated.

Chewing gum should be removed from carpet inserts before the cleaning process is started. Use chewing gum freeze sprayer or chewing gum remover and then scrape out chewing gum from carpet pile. Allow the mat to dry thoroughly before using it again. The effectiveness of a dry entrance mat is significantly higher than that of a damp one.

Note: *These instructions supersede any verbal or written instructions from Matter Surfaces representatives and must be followed for the Matter Surfaces Bastion and Turret Tile warranty to remain in effect.*

ALDI Retail Facility

END OF SECTION 124840