

# Revolution Mills

## Aspire – Technical Specifications

### 4.2mm Click Rigid Plank plus Attached Cushion

|                         |   |
|-------------------------|---|
| Dimensions:             | 7" by 60"   |
| Overall Thickness:      | 4.2mm plus 1.0mm Attached High Density EVA Cushion  |
| Wear Layer Thickness:   | 0.5mm (20 mil)  |
| Surface Treatment:      | UV Cured Coating with AlOx  |
| Warranty:               | Limited Lifetime Residential, 15 Year Commercial  |
| Construction:           | Multi-layered product consisting of rigid core, wear layer, printed film and attached cushion.    |
| Profile:                | Drop Lock Click system  |
| Bevels:                 | Color coordinated four sides  |
| Recycle Content:        | 100% Virgin PVC, product contains a minimum of 10% trim recycle                                   |
| Embossing:              | Embossed in register.   |
| Composition:            | 100% virgin PVC content; does not contain ortho-phthalates, formaldehyde or harmful heavy metals. |
| Installation:           | Glueless, Floating  |
| Classification:         | ASTM F 1700-04 Class III, type B Solid Vinyl Floor Tile   |
| Flammability            | ASTM D 2859-06/CPSC FF 1-70, Passes   |
| Critical Radiant Flux   | ASTM E 648-06, Class I, CRF $\geq$ 0.45   |
| Smoke Density           | ASTM E 662-06, < 450  |
| Residual Indentation    | ASTM F 1914-07, Passes  |
| Static Load Limit       | ASTM F 970, Exceeds 2,000 pounds  |
| Heat Stability          | ASTM F 1514, Passes   |
| Dimensional Stability   | ASTM F2199-09, Passes   |
| Light Stability         | ASTM F 1515, Passes   |
| Sound Characteristics   | Delta IIC 23  |
| Packaging:              |   |
| Quantity per Carton     | 20.67 Square Feet   |
| # Cartons per Pallet    | 60 Cartons / Pallet or 1,240.2 Square Feet  |
| # Pallets per Container | 19  |
| Quantity Full Container | 23,356.32 Square Feet   |



Aspire is FloorScore® certified for indoor air emissions.



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## Aspire General Installation Guidelines:

The installation of Aspire Rigid Plank Flooring should not begin until the work of all other trades has been completed, especially overhead trades. The areas to receive flooring materials shall be clean and fully enclosed. The area should be maintained at a minimum of 65° F and a maximum of 75° F for 48 hours before the installation, during the installation and for 48 hours after the installation is completed. The flooring materials shall be conditioned in the same manner.

Wood subfloors must have a minimum 18" (47 cm) of cross ventilated space between the bottom of the joist and ground. Exposed earth crawl spaces should be sealed with a polyethylene moisture barrier. Subfloors should meet local and national building codes.

Single Wood and Tongue and Groove subfloors should be covered with 1/4" (6.4 mm) or 1/2" (13 mm) APA approved underlayment plywood. Use 1/4" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less. For boards wider than 3" (76 mm) face width use 1/2" (13 mm) underlayment panels. Countersink nail heads and fill depressions, joints, cracks, gouges, and chipped edges with a good quality Portland cement-based patching compound. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan, or composite type underlayment.

Concrete shall be prepared utilizing ASTM F 710, Practice for Preparing Concrete Floors and Other Monolithic Floors to receive Resilient Flooring. Floors shall be smooth, flat, permanently dry, clean, and free of all foreign material such as dust, paint, grease, oils, and solvents, curing and hardening compounds, sealers, asphalt, and old adhesive residue. Floor covering shall not be installed over expansion joints. It is essential that moisture tests be taken on all concrete floors regardless of age and grade level. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested in accordance with ASTM F 1869 Standard Test method for Measuring Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride or 80% when tested accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using in situ Probes. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.

Refer to Revolution Mills installation instructions for complete installation details.



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## I4F Drop Lock Installation Tips

1. Start the installation of your SPC flooring with 2 rows of several pieces. After 3 to 5 pieces have been installed, move / push the installed flooring to the wall being careful to not break the short end click system.
2. A tapping block is needed for proper installation; after the piece has been installed, tap the long side along the length of the piece toward the already installed flooring with the tapping block to make sure the click system is fully engaged.
3. Then for the short side installation, tap down the joint with a rubber mallet several times; tap the first time SLIGHTLY for alignment / correction the position of tongue and groove, tap second time a little bit forcefully in order for the tongue and groove to completely engage. A clicking sound will be heard when the tongue and groove have engaged properly.
4. After 2-3 rows have been installed, a tapping block should be used to make any slight adjustments/corrections. Tap the outermost planks on the long side piece by piece to make sure all planks are completely engaged on the long side joints. This process should correct any slight gapping or seams caused by shaking / vibration during installation operation. Repeat this step for the short side joints.
5. After having installed 2 to 3 cartons, check whether there are any gaps or raised end joints on the short end joints. If yes, stop the installation and take corrective action before installing more flooring. Raised ends or edges are an indication that the profile joints could be damaged.
6. If any problems are incurred that require removal of planks already installed, please note the following. Removal of planks should start from last row installed. Start by disengaging the last row installed along the long side. **Then disengage the short side joints by sliding them apart from each other.** Do not attempt to disengage the short side joints by holding them at an angle to each other or by pulling them apart – this will cause the end joints to break. If the short end joints are difficult to pull away from each other, lift up slightly on the connected end joint (not more than 1 inch) to loosen up the joint slowly, then put it down on the ground, disengage the short side joint by sliding them apart from each other.

