SLIP-RETARDANT FLOORING

SAFETY ZONE™

Sheet & Tile
Lasting Performance Where Slip-Retardant Performance Matters

Healthcare and education facilities have an extraordinary responsibility to protect the health and well-being of occupants with an environment that is clean, comfortable, dry and safe. With Armstrong® Flooring Safety Zone™ Sheet and Safety Zone™ Tile, you have two quality options for areas that require an extra measure of safety.

The composition of Safety Zone Sheet provides dynamic underfoot safety, activating when compressed to supply sure-grip texture underfoot. And the through-pattern wear layer construction means the slip-retardant performance of Safety Zone Sheet won’t wear off, standing up to the heaviest traffic for the lifetime of the floor.

The lasting slip-retardant performance, embossed surface for improved maintenance, and design flexibility of Safety Zone Sheet makes it the smart, effective solution for today’s commercial environments. Safety Zone Sheet is a safety floor without compromise – in performance, value, and style.
How Safety Zone™ Sheet Works

Smooth floors, in areas that require an additional measure of slip-retardant performance, are easy to clean but may not provide adequate traction underfoot. Rough floors offer additional traction, but are much harder to clean. The unique construction of Safety Zone™ Sheet combines the benefits of both. In its normal state, it is smooth enough for easy cleaning; however, when pressure is applied from walking, it becomes rough, providing dynamic traction.

Superior Durability, Through and Through

The through-pattern wear layer of Safety Zone™ Sheet gives it an advanced level of durability and a longer effective lifespan. The aluminum oxide and quartz particles which give Safety Zone Sheet its slip-retardant performance go all the way through the wear layer. The silicon carbide particles throughout the surface layer provide additional initial grab when applying walking pressure.
Safety Zone™ Tile
Modular Designs with Added Safety

Armstrong® Flooring Safety Zone™ Tile offers a modular 12" x 12" tile option for slip-retardant safety flooring. Like Safety Zone™ Sheet, it features a through-pattern wear layer construction for lasting performance and scuff resistance under heavy traffic conditions. The embossed surface is embedded with proprietary particles for slip-retardant performance.

Safety Zone Tile features our exclusive Fast Start® Factory Finish which protects the tile surface during installation and makes initial maintenance quick and easy. It is an ideal choice for adding an extra measure of safety in areas where traditional maintenance protocols using polish are followed, since we recommend the application of polish and periodic restorative maintenance procedures for our Safety Zone Tile.

The stain resistance of Safety Zone Tile can be enhanced with the addition of Armstrong® Flooring S-495 Commercial Floor Sealer.

NOTE: No standing water; walk-off mats required.
Targeted Designs for Freedom and Flexibility

Safety Zone™ Sheet is available in a select color palette designed specifically to reflect current trends in healthcare, education, retail and other space interiors, and coordinates beautifully with other sheet products in the Armstrong® Flooring Commercial Flooring portfolio.

The compatibility of Safety Zone Sheet with our full line of Armstrong® Flooring Homogeneous, Heterogeneous and Linoleum sheet products means designers and building owners can integrate safety flooring in key areas without compromising the overall design intent of the space.

Safety Zone™ Tile enables unique modular designs with creative combinations of colors and spot-color accents. Our palette coordinates well with Armstrong® Flooring Vinyl Composition Tile for complementary designs in adjacent spaces.

With safety flooring solutions in both sheet and tile, the design options are greater than ever before.

Safety Zone™ Sheet adds slip-retardant performance in front of food service counters while coordinating beautifully with the Heterogeneous Rejuvenations™ Sheet that extends into the dining area.

Safety Zone™ Sheet
31502 outer space

Rejuvenations™ Heterogeneous Sheet
StoneRun™ 34330 lithos andesite
Flooring Recommendation Guide

Use Safety Zone™ Sheet or Tile to add an extra measure of safety and style in the following spaces. Contact your Armstrong® Flooring Representative to discuss other appropriate spaces for safety sheet and tile.

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(a) These floors are not recommended for wet areas such as commercial kitchens, commercial food processing areas, behind fast-food counters, shower rooms and whirlpools/spas.
(b) No standing water; walk-off mats required.
(c) Not recommended in laboratories that require special decontamination procedures on surfaces, including floors.

For additional space recommendations, please refer to the Armstrong Flooring Product Guide.
SAFETY ZONE™ SHEET
Slip-Retardant Flooring

Safety Zone™ Sheet requires no sealing, buffing, stripping, polishing, or restorative maintenance. Polish should not be used on Safety Zone Sheet.
SAFETY ZONE™ TILE
Slip-Retardant Flooring

Safety Zone™ Tile is an ideal safety solution for spaces where polish and restorative maintenance are required, making traditional maintenance protocols consistent and efficient.
Safety Zone™ Sheet & Tile

Worry-free Installation

Safety Zone™ Sheet installs just like traditional Armstrong® Flooring sheet products — no special tools or techniques required. The formulation makes the flooring more flexible and easier to handle, and the textured cellulose backing helps to provide adhesion when combined with the adhesive, even in high-moisture environments. Just install with Armstrong recommended adhesives: S-543 High-Moisture, S-599 ChoiceStrong™, S-240 Epoxy or Flip® Spray Adhesive. Our weld rod colors add the finishing touch to the overall design, whether you use them to coordinate or contrast based on design intent.

Adhesives

Flip® Spray Adhesive
- High-moisture guarantee
- Warranted for heavy rolling loads
- Simple one-step application process
- Open time: varies depending on adhesive coverage
- Working time: should not exceed 4 hours
- Spread rate: LVT and Commercial Sheet: 140–170 sq. ft./bottle; VCT: 170–200 sq. ft./bottle

S-240 Epoxy Adhesive
- Great for heavy loads
- Can be used on multiple substrates
- Open time: 10–20 minutes
- Working time: 60 minutes
- Spread rate: 225–275 sq. ft./gal. (fine notch)

S-543 Commercial Sheet Flooring and LVT Adhesive
- High-moisture guarantee
- Reduced need for moisture remediation
- Open time: 10–20 minutes over porous, 30+ minutes over non-porous
- Working time: 6 hours after dry to touch
- Spread rate: 225–275 sq. ft./gal. (fine notch)

S-599 ChoiceStrong™ Adhesive
- Strong bond and shear strength
- Can be used for vinyl-, glass- and felt-backed sheet
- Open time: 10–20 minutes over porous, 30+ minutes over non-porous
- Working time: 60 minutes after dry to touch
- Spread rate: 250–300 sq. ft./gal.

S-515 Tile Strong™ Adhesive
- High-moisture guarantee
- Can also be used over cutback adhesive residue
- Dries clear to easily see chalk lines
- Open time: 30+ minutes
- Working time: 24 hours
- Spread rate: 285–335 sq. ft./gal. (fine notch)

S-525 Bio-flooring Adhesive
- High-moisture guarantee
- Can also be used over cutback adhesive residue
- Water-resistant when fully cured
- Open time: Minimum of 20 minutes or until dry-to-touch
- Working time: 24 hours
- Spread rate: 275–325 sq. ft./gal. Trowel: fine notch

S-700 Floor Tile Thin Spread
- Black asphalt adhesive
- Can also be used over cutback adhesive residue
- Can be used over metal subfloors
- Open time: 30+ minutes
- Working time: 18 hours
- Spread rate: 350–400 sq. ft./gal. (fine notch)
Safety Zone™ Sheet & Tile

Cleaner Floors with Minimal Disruption

Safety Zone™ Sheet is a low-maintenance solution* that is suitable for a multitude of spaces, enabling the maintenance staff to quickly and easily clean the floors with minimal disruption. The de-aerated construction and non-porous surface prevents dirt from penetrating the surface. No sealing, buffing, stripping, polishing, or restorative maintenance needed. Ever.

*Polish should not be used on Safety Zone Sheet to retain its safety features.

There When You Need It

Safety Zone™ Tile is made in the U.S.A. with global and domestic content. Safety Zone™ Sheet is stocked in Lancaster, Pennsylvania. Both are readily available for your next project.

Here When You Need Us

Armstrong® Flooring believes in creating customers for life. Our 150-year history of providing innovative products and reliable service is part of every floor. For information and assistance before, during, and after your project, contact your Armstrong® Flooring sales rep, distributor or contractor. Learn more at ArmstrongFlooring.com/commercial.
SLIP-RETARDANT FLOORING

SAFETY ZONE™ Sheet & Tile

Materials and Construction
Sheet - An embossed, dip-wetted wear layer with mineral aggregates on saturated glass fiber backing. Mineral aggregates are dispersed uniformly throughout the thickness of the wear layer. Color pigments are insoluble in water and resistant to cleaning agents and light.

Tile - An embossed tile composed of polyvinyl chloride resin, plasticizers, stabilizers, fillers and mineral aggregates. Protected by an acrylic factory finish, the color detail is dispersed throughout the thickness of the product. Color pigments are insoluble in water and resistant to cleaning agents and light.

Size
Sheet - 6 ft. 7 in. (2.0 m) wide; up to 66 ft (20 m) long
Tile - 12 in. x 12 in. (305 mm x 305 mm)

Gauge (nominal thickness)
Sheet - 0.006 in. (0.2 mm) overall (nominal) 0.006 wear layer (nominal)
Tile - 0.060 in. (1.5 mm) overall

Limitations
Safety Zone™ Sheet and Tile should not be used in the following areas:

- Commercial operating rooms.
- Heavy industrial and exterior areas.
- Commercial kitchens and commercial food processing areas.
- Preliminary or work-in-progress areas.
- Areas that may be subject to severe moisture conditions or where slip-resistant flooring is not required.

- When porous masonry, concrete, or other masonry material is used as a support, the flooring must be properly applied over the masonry, concrete, or other masonry material to ensure a secure bond.

Statement of Use
Armstrong Safety Zone Sheet and Tile must be used for the installation of Armstrong Safety Zone Sheet and Tile only. The installation of Safety Zone Sheet and Tile must be performed by a contractor or installer who has been trained and certified by Armstrong to install Safety Zone Sheet and Tile. Prior to installation, the installer must read and understand the installation instructions at ArmstrongFlooring.com/installationmanual and at floorexpert.com for proper installation, care and maintenance information.

Fire Test Data
Sheet and Tile
ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watts/cm²
ASTM E 662 Smoke Chamber Specific Optical Smoke Density – 450 or less

Job Condition
Sheet and Tile
Substrates underlayments shall be dry, clean, and free of lint. They shall be free of dust, solvents, varnish, paint, wax, oil, grease, residual adhesive, adhesive removers, permanent markers and other foreign materials that might affect the adhesion of resilient flooring or cause a discoloration of the flooring from below.

Paint sprays, permanent markers and other invisible ink markers must not be used on the back of the flooring material or to mark the concrete slab as they could bleed through, telegraphing up to the surface and permanently staining the flooring material. If these contaminants are present on the substrate they must be mechanically removed prior to the installation of the flooring material. For more detailed requirements of concrete, wood and metal subfloors, as well as trowelable and wood underlayments, refer to the installation instructions at Armstrong.com.

Fire Test Data
Smoke Chamber Specific Optical Smoke Density – 0, Smoke Developed Classification – 120

Installation
Job Condition
Sheet and Tile
Substrates underlayments shall be dry, clean, and free of lint. They shall be free of dust, solvents, varnish, paint, wax, oil, grease, residual adhesive, adhesive removers, permanent markers and other foreign materials that might affect the adhesion of resilient flooring or cause a discoloration of the flooring from below.

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Warranty
Armstrong warrants its popular (first quality) Safety Zone Sheet and Tile commercial floors to be free from manufacturing defects and warrants the installation integrity for five years from the date of purchase, installed according to the Armstrong® Flooring Guaranteed Installation Systems Manual, F-5061. This warranty is effective only to the original end-user. See Armstrong® Flooring Commercial Floor Warranty, F-3349 or visit ArmstrongFlooring.com/commercial for warranty details, limitations and exclusions.

Methods of Determination
- Radiant-heated subfloors with a maximum surface temperature of less than 90 °F (32 °C) shall be maintained between the installation and 48 hours after completion. A minimum temperature of 55 °F (13 °C) shall be maintained thereafter. Condition all flooring materials and adhesives to room temperature for at least 48 hours prior to starting installation. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances.

- Concrete, terrazzo, and other dry, structurally sound monolithic surfaces such as golf or track shoes will be used.

- Around swimming pools.

- Wet areas, standing water (shower rooms, whirlpools/spas)

- Commercial kitchens and commercial food processing areas.

- Heavy industrial and exterior areas.

- Zone Tile in produce areas, around freezers, at entry ways, and other areas subject to surface water or cooler temperatures, install the first 3 to 5 rows with S-240 epoxy. Other rows may be installed with S-515, S-525, S-700 or S-543 Adhesive. Refer to the Armstrong Guaranteed Installation Systems manual (F-5061) at ArmstrongFlooring.com/installationmanual and at floorexpert.com for proper installation, care and maintenance information.

MAINTENANCE
Sheet - Safety Zone™ Sheet is a low-maintenance solution that is suitable for a multitude of spaces. No sealing, buffing, striping, polishing or restorative maintenance needed. Polish should not be used on Safety Zone Sheet to retain its safety features.

- Initial Maintenance Immediately After Installation:
  - Sweep or vacuum thoroughly.
  - Do not wash, scrub or stripe the floor for at least five days after installation.
  - Damp mop with a dry, lint-free neutral detergent solution such as Armstrong S-485 Floor Cleaner, carefully squeegeeing up black marks and excessive soil.
  - Protective floor finishes, sealer or other site-applied finishes are not recommended and should not be used as they will affect the floor’s slip-retardant properties.

- Safety Zone™ Tile features our exclusive Fast Start® Factory Finish which protects the tile surface during installation and makes initial maintenance quick and easy. We recommend the application of polish and periodic restorative maintenance procedures.

- Initial Maintenance Immediately After Installation:
  - Sweep or vacuum thoroughly.
  - Damp mop with a properly diluted neutral detergent solution such as Armstrong S-485 Floor Cleaner – carefully wiping up black marks and excessive soil.
  - Safety Zone Tile requires two coats of high-quality commercial floor polish such as Armstrong S-480 Floor Polish to protect the floor until regular maintenance procedures can be started.
  - Do not wash, scrub or stripe the floor for at least four days after installation.

Preparation for Commercial Use:
For specific cleaning and maintenance procedures, see Armstrong Commercial Resilient Flooring Maintenance Recommendations booklet, F-8663.

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