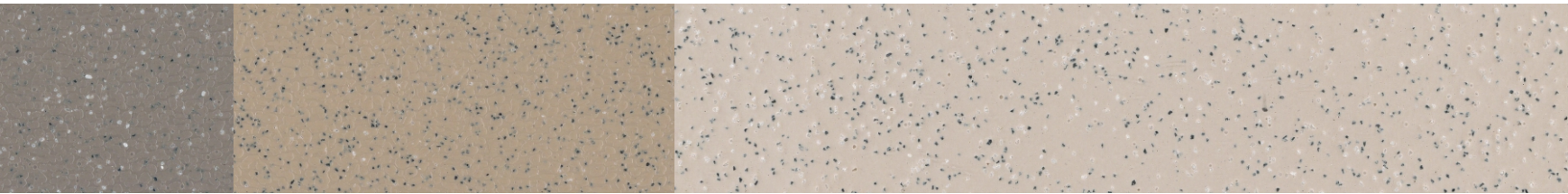
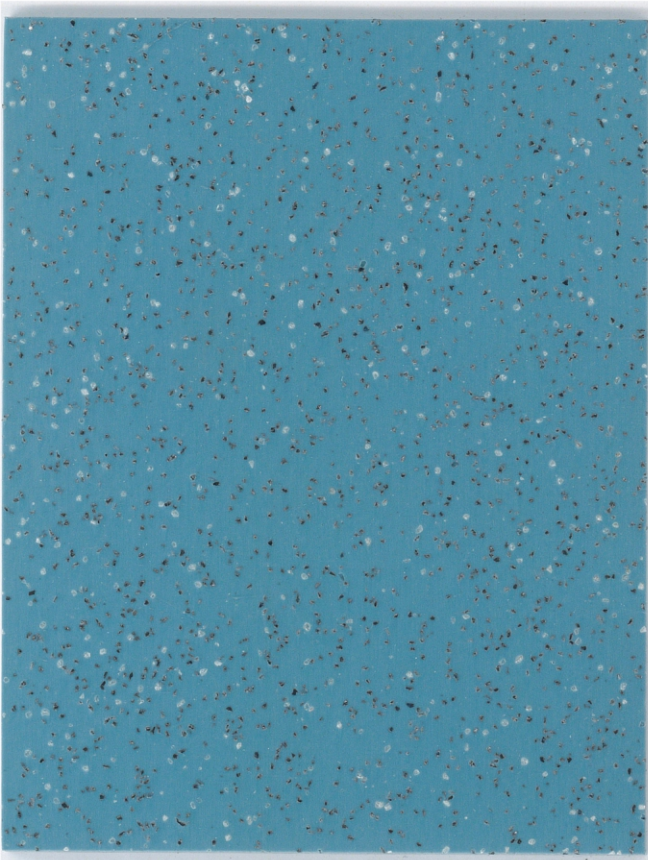


# Emery

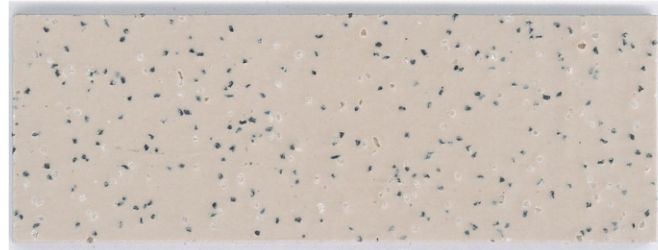
Safety and Anti-Slip Flooring



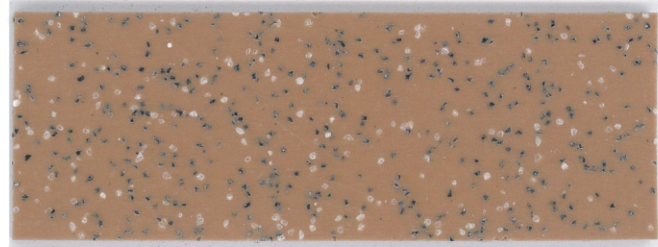
**R9-13**  
Slip resistant  
Grade



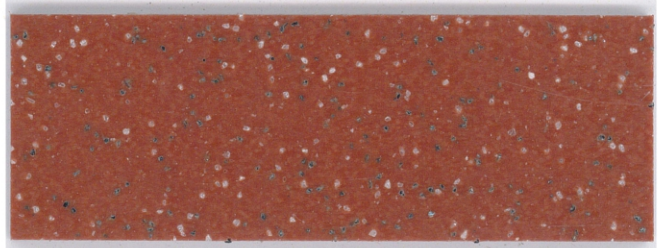
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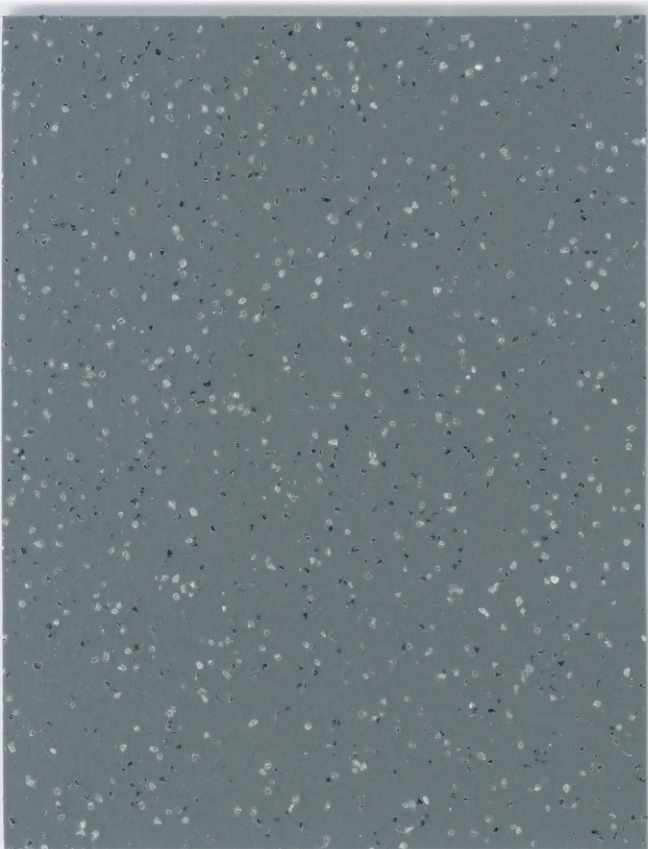
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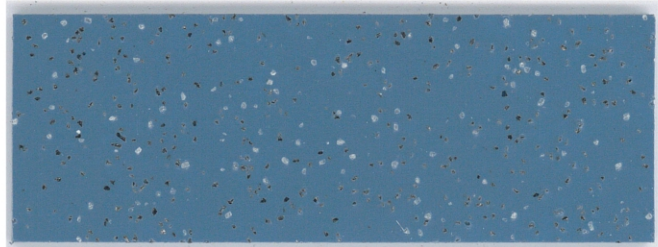
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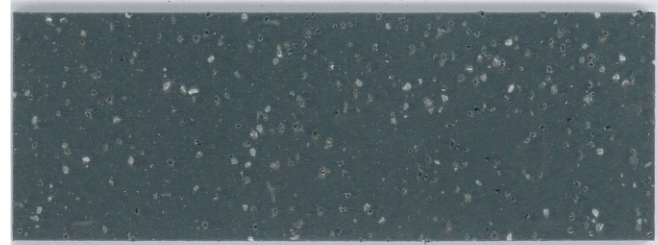
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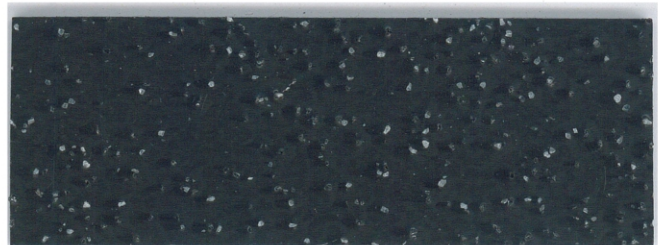
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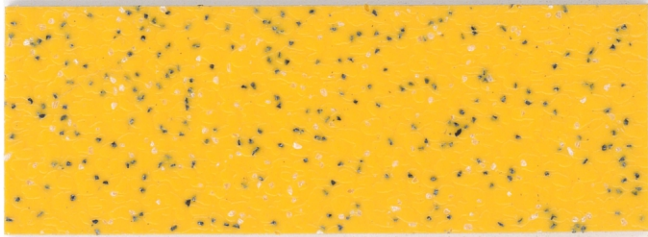
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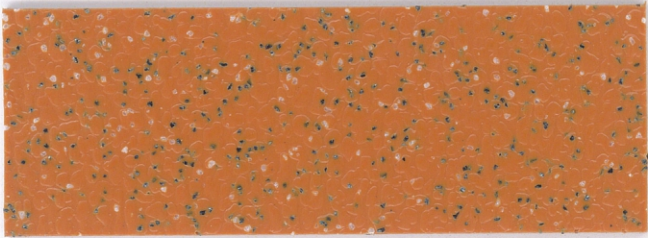
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688-008



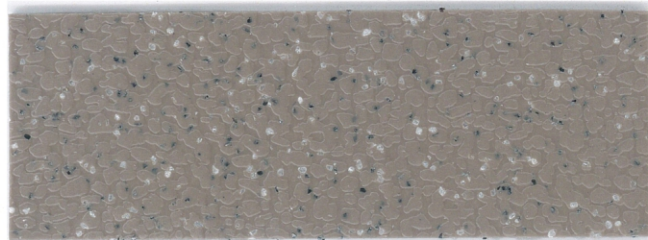
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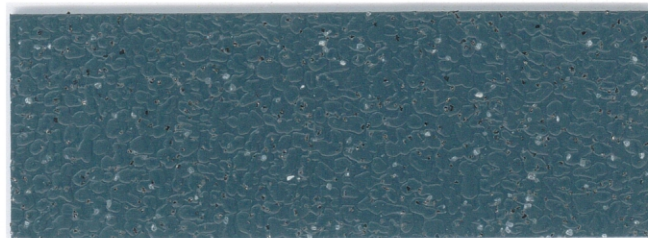
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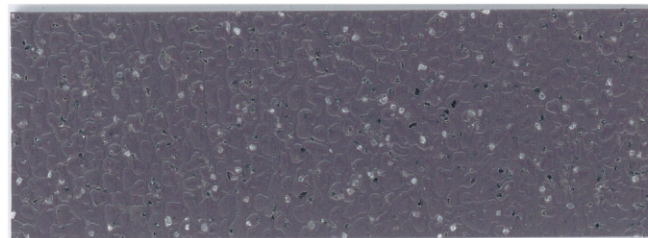
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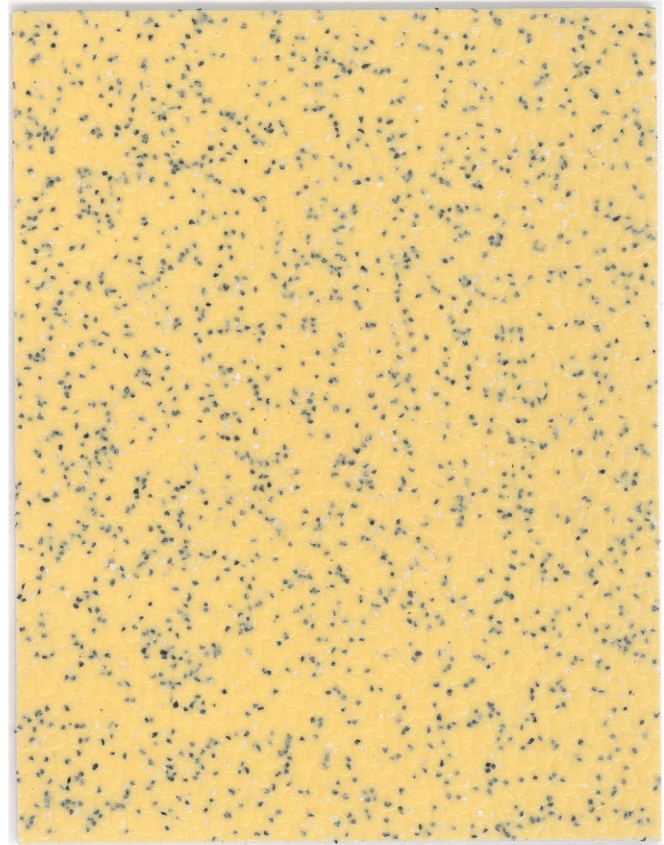
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688-015



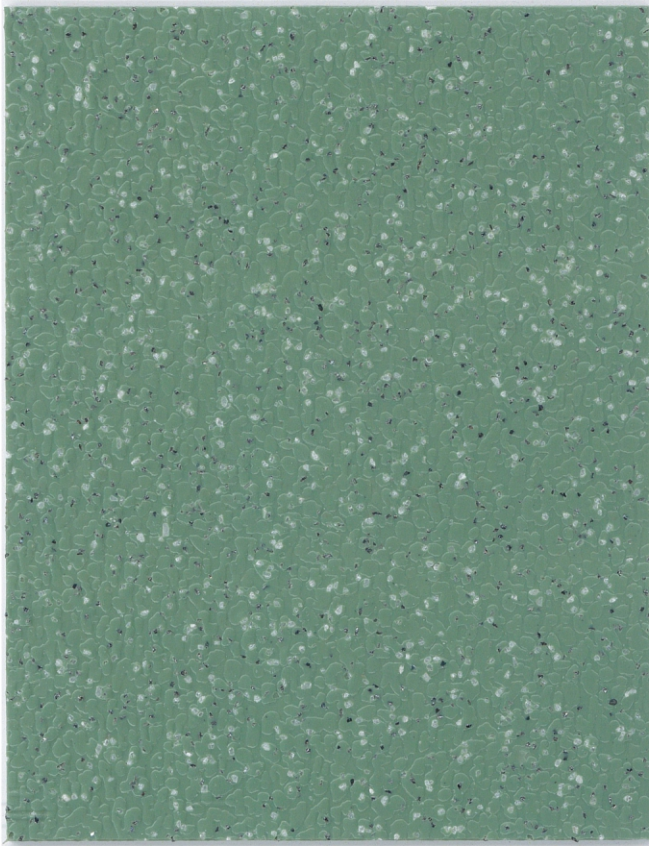
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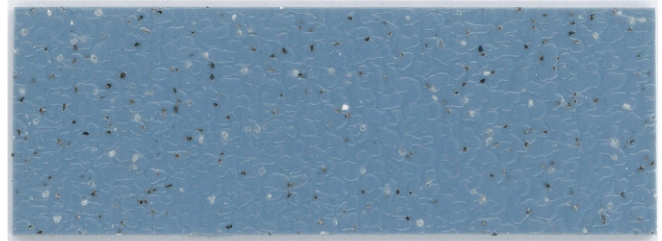
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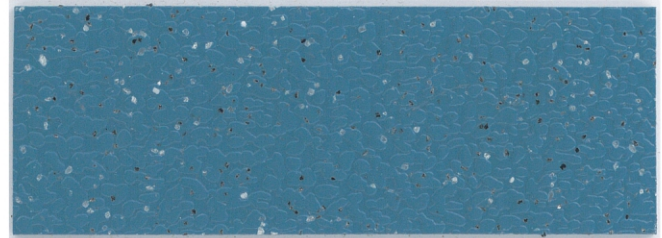
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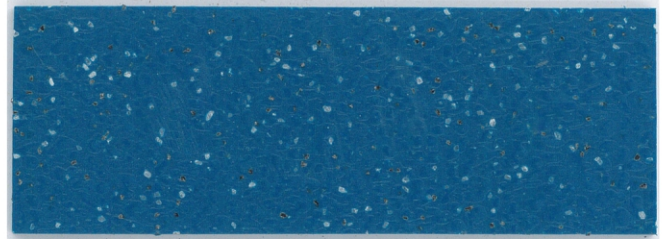
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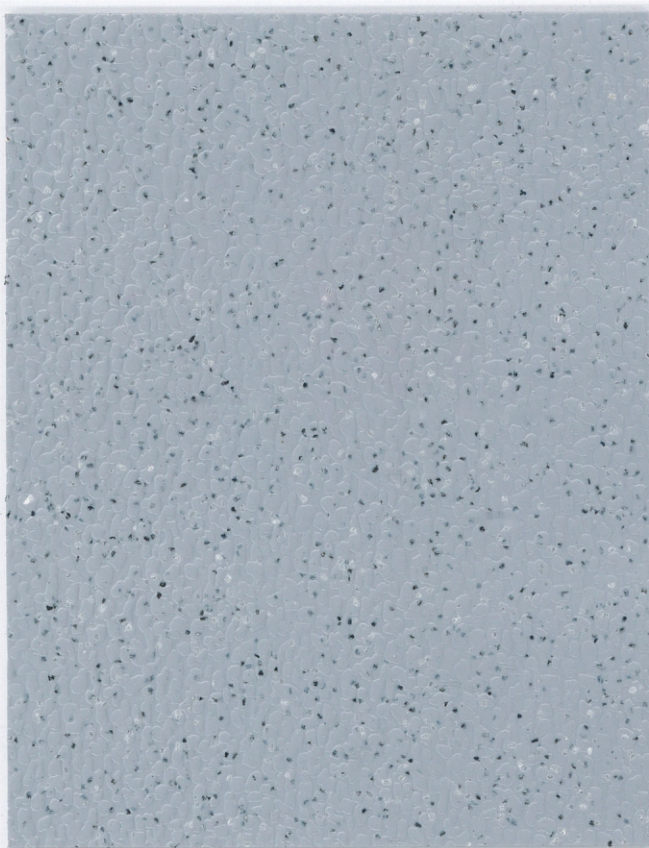
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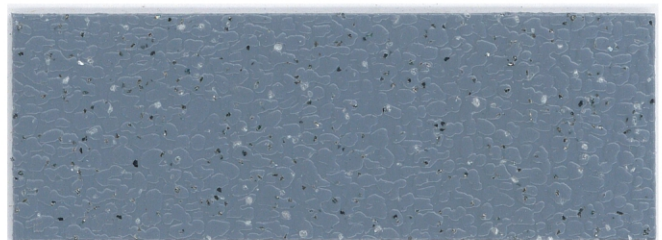
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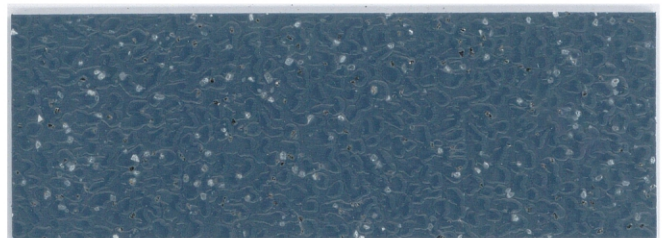
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688-021



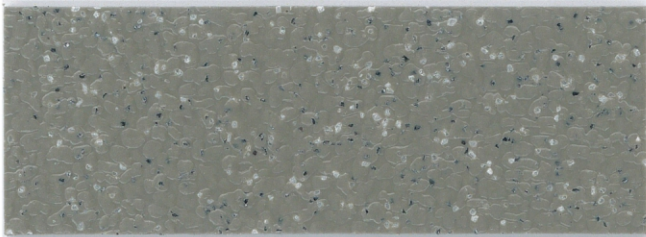
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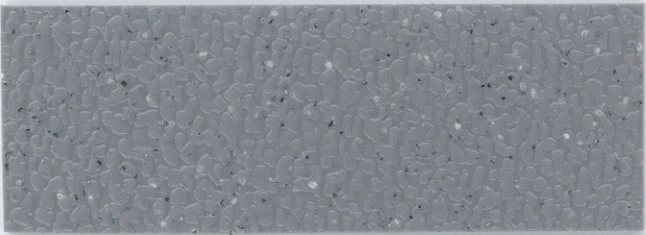
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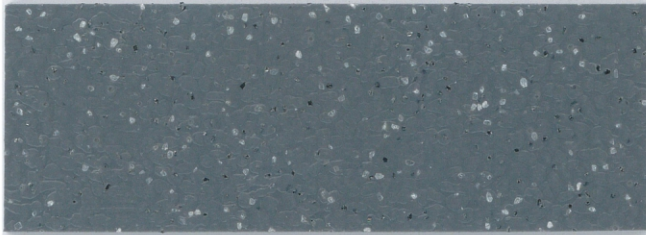
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688-025



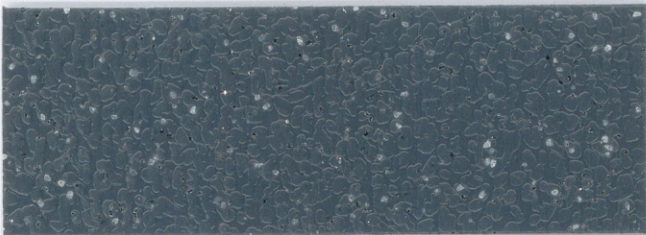
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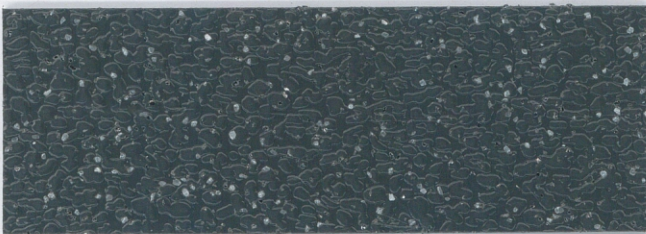
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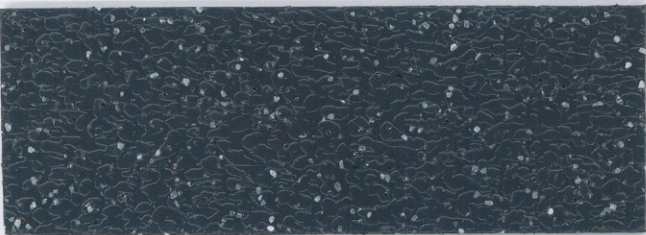
688-026



688-028



688-030



688-032



688-029



#### NON-FLAMMABLE

PVC has a certain degree of flame retardance, multi-layer composite structure at high temperatures is not easy to produce a large number of combustible gases.



#### STAIN RESISTANCE

The surface is specially treated to form a dense structure where dirt cannot hide, the diamond particles themselves are not easily contaminated.



#### WEAR RESISTANCE

Polyester fiber stabilized structure. Processed with high-strength polymer materials.



#### SCRATCH RESISTANCE

Diamond particles have a very high surface hardness and scratches are very difficult to form on them.



#### ENVIRONMENTAL

The raw materials are made with environmentally friendly plasticizers and do not contain heavy metals.



#### ENVIRONMENTAL

Modular laying allows for precise replacement when damage occurs, reducing costs.





**Emery**  
Safety and Anti-Slip Flooring

## Typical Applications:

### 1. Commercial catering and food processing areas

- The kitchen of restaurants, hotels, and cafeterias often has water, oil, and food residue on the ground, making it a high-risk area for slipping.
- Food and beverage processing workshops, such as meat, dairy products, breweries, etc., often require washing and the floor remains damp for a long time.
- The fresh food area and refrigeration area of the supermarket: condensation water and ice melting cause the ground to be wet and slippery.

### 2. Wet public areas in public and commercial places

- Public restrooms, bathrooms, changing rooms, and areas around swimming pools: These areas are almost always prone to water stains.
- Halls and passages of shopping malls, airports, and hospitals: In rainy days or after cleaning, entrances and passages are prone to leaving water marks.
- Indoor parking lots (especially pedestrian walkways): The rain, snow, and mud brought in by vehicles can cause the ground to become slippery.

### 3. Industrial and Storage Environment

- Lightweight processing workshop: The environment is humid but there is no significant oil contamination.
- Specific areas of the warehouse, such as the entrance of the refrigerated warehouse and frequently cleaned areas.
- Packaging and bottling area: There may be liquid splashing out.

### 4. Health care and elderly care institutions

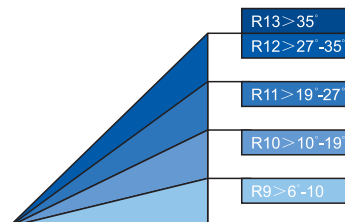
- The treatment rooms, corridors, and bathrooms in hospitals need to balance cleanliness and hygiene with the safety of patients and medical staff.
- Nursing homes and rehabilitation centers: For elderly people and patients with limited mobility, slip resistance is crucial.

### 5. Other specific scenarios

- The shower area and poolside of the indoor gym.
- The bathrooms and kitchens in kindergartens and schools.
- Maritime areas such as ship decks and ferry interiors.

## Slope test

Most flooring companies widely use the slope test (DIN51130) and cite its 'R' value. The R9-R13 level is based on angle measurement and is conducted by the operator standing on an oiling slope. Although this test is very effective, it cannot be tested on site.



R9 is the lowest level, with a sliding angle of only 6, which can be achieved on smooth floors. All ANZ safety flooring is rated R9 or above, with those reaching R12 being suitable for oily environments such as kitchens.

Barefoot version (DIN51097) can also be used, with the difference being that the slope is covered with water.

**In order to locate R12 more clearly, we can understand the entire R rating system:**

- **R9**- Low slip resistance: Suitable for dry or occasionally slightly damp areas, such as offices, classrooms, and dry areas in shopping malls.
- **R10**- General anti slip: suitable for areas that may occasionally be wet by water, such as indoor corridors and stairs (not primarily damp areas).
- **R11**- Medium to high anti slip: Suitable for damp areas such as kitchens and laundry rooms.
- **R12**- High slip resistance (the level you are concerned about): Suitable for areas with continuous humidity (as detailed above).
- **R13**- Extremely high anti slip: Suitable for extremely humid environments with water flow, large amounts of oil or fat, such as slaughterhouses, large industrial kitchens, and fish processing plants.

**The core mission of R12 anti slip flooring is to effectively prevent personnel slipping accidents in continuously humid conditions.**

## Sustainability

ANZ is a safety flooring manufacturer to recycle traditional safety flooring in-house  
ANZ products meet the BRE green environmental rating A+standard



## Slip resistance

Tested with



Water



Greasy water



Flour



Vegetable Oil



Milk



Plastic wrapping

## Technical information

<b>Flooring type</b> Belagsart		EN 13845 EN 13553	<b>Safety flooring</b>
<b>Slip resistance</b> Rutschsicherheit		TRRL/CTE EN 13845 EN 13893 DIN 51130	>55 Class 3 Esf DS R9-R13
<b>Thickness</b>		EN 428	2.0/3.0 mm
<b>Weight</b>		EN 430	3.004/4.709 kg/m <sup>2</sup>
<b>Roll dimensions</b>		EN 426	2m x 20m = 40m <sup>2</sup> 2m x 15m = 30m <sup>2</sup>
<b>Fire performance</b>		EN 13501-1 EN ISO 9239-1 EN ISO 11925-2	Bfl s1 ≥ 8 kw/m <sup>2</sup> Pass

For more information, please consult our professional technical personnel!

## Installation and Maintenance

ANZ flooring is a professional installation product. We have professional construction and installation guidance, as well as professional maintenance materials and training. Please contact our sales customer service for assistance. If professional installation and maintenance are not carried out, it may affect the performance of the floor, especially the anti slip agent. Please protect the constructed floor during the handover construction and clean it as required before delivery.



\*Light Reflectance Values measured in accordance with BS8493:2008. Exact material match with samples cannot be guaranteed.