

# Material Safety Data Sheet

## IDENTITY (As used on label and list)

## Rubber Transitions & Flat Stock

### Section I

KOFFLER SALES COMPANY  
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Suite C-100  
Lake Zurich, IL 60047-1524  
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#### Koffler Sales Company

Specialists in Floor and Wall Protection  
For Over 50 Years!

[www.KofflerSales.com](http://www.KofflerSales.com)  
[info@kofflersales.com](mailto:info@kofflersales.com)

#### Toll-free

1-888-355-MATS (6287)

#### Telephone Number for Information

1-847-438-1152

#### Date Prepared

2/3/09

#### Signature of Preparer (Optional)

Polyurethane elastomers are fully reacted polymers, forming articles with are not considered hazardous under OSHA's criteria in 29CFR1910.1200.

### Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity/Common Name(s))

OSHA PEL

ACGIH TLV

NIOSH REL

%(optional)

None

### Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H2O=1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water	N/A		
Appearance and Odor	N/A		

### Section IV – Fire & Explosion Data

Flash Point (Method Used:	N/A	Flammable Levels:	LEL: N/A	UEL: N/A
Extinguishing Media:				
Special Fire Fighting Procedures:	Wear pressure demand self-contained breathing apparatus and protective clothing			
Unusual Fire and Explosion Hazard:	N/A			

### Section V – Reactivity Data

Stability: Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Conditions to avoid: N/A
Incompatibility (Materials to avoid):	N/A
Hazardous Decomposition or Byproducts:	Oxides of Carbon and Nitrogen
Hazardous Polymerization:	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> Conditions to Avoid: N/A

### Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? No	Skin? No	Ingestion? No
Health Hazards (Acute & Chronic):			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs & Symptoms of Exposure:	N/A		
Medical Conditions Generally Aggravated by Exposure:	N/A		
Emergency & First Aid Procedures	N/A		

### Section VII – Precautions for Safe Handling

Steps to be taken in case of material spillage or release:	N/A
Waste Disposal Method:	Dispose of in accordance with Federal, State and Local Environmental Regulations.
Precautions to be taken in Handling & Storing:	N/A
Other Precautions:	N/A

### Section VIII – Control Measures

Respiratory Protection (Specify Type):	N/A			
Ventilation:	Local Exhaust: N/A	Mechanical (General): N/A	Special: N/A	Other: N/A
Protective Gloves:	N/A	Protective Eyewear:	N/A	
Other Protective Clothing or Equipment:	N/A			
Work/Hygiene/Maintenance Programs	N/A			

## FLOORING TRANSITION - Transition Ramps

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Microsoft Word (earlier versions): From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

### PART 1 GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  1. Flooring transitions at [entrances,] [doors,] [level landings,] [gymnasiums,] [ramps,] [showers,] [curbs,] [seismic transitions,] [service counters,] [and] [\_\_\_\_\_].
- B. Related Sections:
  1. Division 01: Administrative, procedural, and temporary work requirements.

#### 1.2 REFERENCES

- A. Federal Register, 28 CFR - Americans with Disabilities Act and Accessibility Guidelines (ADAAG).
- B. American National Standards Institute (ANSI) A117.1 -2003 Accessible and Usable Buildings and Facilities (standard and Commentary).
- C. ASTM International (ASTM):
  1. C1026 - Standard Test Method for Measuring the Resistance of Ceramic Tile to Freeze-Thaw Cycling.
  2. C1028 - Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method.
  3. D395 - Standard Test Methods for Rubber Property - Compression Set.
  4. D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.
  5. D2240 - Test Method for Rubber Property - Durometer Hardness.

#### 1.3 SUBMITTALS

- A. Submittals for Review:
  1. Shop Drawings: Indicate transition locations, dimensions and relative floor heights.
  2. Product Data: Manufacturer's descriptive data, attributes and performance characteristics.
  3. Samples: [6] [ ] inch long samples showing each profile.
- B. Sustainable Design Submittals:
  1. Recycled Content.
  2. Regional Materials.
  3. Low-Emitting Materials.

## 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum [2] [ ] years [documented] experience in work of this Section.
- B. Regulatory Requirements: Provide transition strips complying with [ADAAG.] [ANSI A117.1.] [applicable accessibility code.] [ ].]
- C. Mockup:
  - 1. Size: One full-size transition.
  - 2. Locate [where directed.] [ ].]
  - 3. Approved mockup may [not] remain as part of the Work.

## 1.5 WARRANTIES

- A. SafePath™ Products and Van Duerr Industries, Inc. warrants that their products will be free of any defect of material or workmanship for a period of (10) ten years from date of purchase. StoneCap™ coated surfaces are warranted against fading, peeling and delaminating in interior applications for (1) one year from date of purchase.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Contract Documents are based on SafePath™ Products by Van Duerr Industries, Inc.  
[www.kofflersales.com](http://www.kofflersales.com)
- B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

### 2.2 MATERIALS

- A. [Transition Strips] [Landings] [Ramps] [and] [ ]:
  - 1. Composition: 100 percent reclaimed 20 mesh minus crumb rubber with urethane binders, formed by compression molding.
  - 2. Standard heights of single or multiple piece construction.
  - 3. Attributes:
    - a. Tensile strength: Minimum 630 PSI, tested to ASTM D412.
    - b. Compression: Maximum 7.84 percent, tested to ASTM D395.
    - c. Hardness: Shore A 65, tested to ASTM D2240.
    - d. Absorption: Maximum 0.75 percent, tested to ASTM C1026.
    - e. Density: 1.01 grams per cubic meter.
  - 4. Performance requirements:
    - a. Static coefficient of friction; tested to ASTM C1028:
      - 1) Dry: 0.95
      - 2) Wet: 0.79
    - b. Fixed angle walking: Static coefficient of friction of 0.50, tested for bare foot, Red Wing Iris walking shoes, Converse 2D 1292 tennis shoes, and Naturalizer 78ON73 wedge sandals; tested using male and female personnel facing up and down slope at angle of 27 degrees with running water.
  - 5. Surface coating: StoneCap.
    - a. Base material: Two component, rapid-curing, hand-applied, non-solvent adhesive coating.
    - b. Top coat: Single-component, rapid curing, clear, non-solvent polyurethane sealer.
  - 6. Profiles: As scheduled at end of Section.

## 2.3 ACCESSORIES

- A. Adhesive: Single-component, non-corrosive silicone type; Sikaflex-1a by Sika Corporation.
- B. Patching Compound: Type approved by transition manufacturer.

## PART 3 EXECUTION

### 3.1 PREPARATION

- A. Prepare surfaces to receive transitions; remove dirt, oil, and loose and foreign matter that could impair adhesion.
- B. Fill cracks, holes, and voids over 1/2 inch in width with patching compound; finish flush with adjacent surfaces.
- C. Remove bumps and high spots.
- D. Abrade highly polished and waxed surfaces.
- E. Do not install transitions unless surfaces are dry and free from frost or moisture.

### 3.2 INSTALLATION

- A. Cut and fit transitions to meet installation conditions.
- B. Bevel, plane, or grind underside of transition when required to accommodate minor inconsistencies in substrate.
- C. After dry-fitting, apply adhesive to underside of transition; evenly spread using notched trowel. Allow to dry for 5 to 15 minutes, then position transition on substrate.
- D. Press to fully bond with substrate.

### 3.3 PROTECTION

- A. Protect installed transitions from traffic for minimum 4 hours after installation.

## SCHEDULE

Use as Transitions: Reducers, Threshold Ramps, Shower Ramps, Door Threshold Barrier Removal,

Type SKU	Product Type	UPC Code#	Carton Dimensions	Products	Ship Weight
				Weight (Lbs)	Weight (Lbs)
RAEZ 0010	Ramp/ Transition	636585100103	2-1/2" (H) x 8-1/2" (W) x 43" (L)	3	4
RAEZ 0020	Ramp/ Transition	636585100110	2-1/2" (H) x 8-1/2" (W) x 43" (L)	3.5	4.5
RAEZ 0030	Ramp/ Transition	636585100127	2-1/2" (H) x 8-1/2" (W) x 43" (L)	4	5.5