Pemko Modular Ramps



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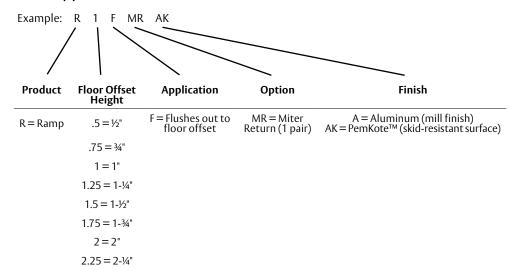
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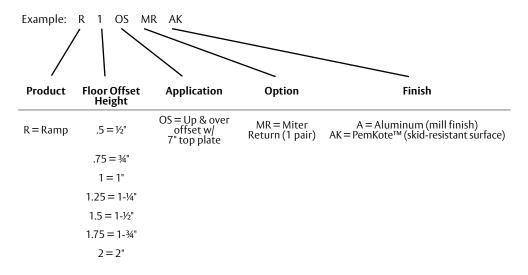
Ramp Ordering Information

Flush Applications

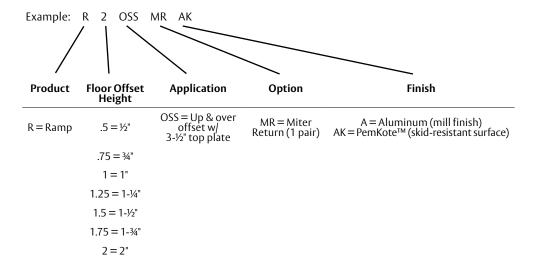


Ramp Ordering Information

Offset Applications - 7" Top Plate



Offset Applications - 31/2" Top Plate



Modular Ramp Threshold Assemblies

- Assemblies accommodate 1/2" to 21/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act". Even higher offsets can be accommodated by using the risers, RAMP13 and RAMP14
- "MR" in a product number denotes that one-pair of miter returns (and extenders, if applicable) is included. Otherwise, we recommend filling and feathering the threshold ends with grout. Do not leave threshold ends open
- Miter Returns are available for offsets up to 2¹/₄"

Flush Applications

1/2" Floor Offset



R.5F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH: 61/s"

R.5FMR_ ** #OF COMPONENTS: 1

3/4" Floor Offset



R.75F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH: 91/4"

R.75FMR ** #OF COMPONENTS: 2

1" Floor Offset



R1F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH: 123/8"

R1FMR_ ** #OF COMPONENTS: 2

11/4" Floor Offset



R1.25F AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

R1.25FMR_ ** ASSEMBLY LENGTH: 151/2' #OF COMPONENTS: 3

11/2" Floor Offset



R1.5F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH: 185/8"

R1.5FMR_ ** #OF COMPONENTS: 3

13/4" Floor Offset



R1.75F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY I FNGTH: 213/4"

R1.75FMR_ ** #OF COMPONENTS: 4

2" Floor Offset



R2F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

R2FMR_ ** ASSEMBLY LENGTH: 247/s' #OF COMPONENTS: 4

21/4" Floor Offset



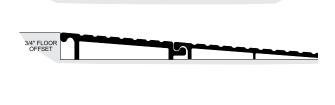
R2.25F_ AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH: 28"

R2.25FMR_ ** #OF COMPONENTS: 5

- Assemblies are supplied with #10 stainless steel wood screws.
 Stainless steel machine screws and expansion shields are available at an extra cost
- Assemblies allow for custom fabrication; please consult Pemko Customer Service
- Assemblies are provided NET length
- Miter returns will add 2 pieces to total components; miter returns with extenders will add 4 pieces to total components

PemKote[™] is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present.

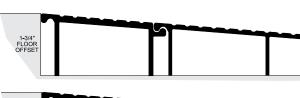


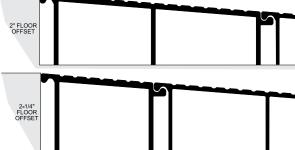












Complete assembly drawings available online

NOTE: Greater offset may be accomplished by using Pemko risers. **Miter Returns are not ADA Compliant

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

10BE (Satin Bronze Powder Coated Aluminum) A (Mill Finish Aluminum) AK (Mill Finish Aluminum with PemKote™
Non-Slip Coating) BSP (Black Suede Powder Coated Aluminum) WSP (White Suede Powder Coated Aluminum)



3/4" FLOOF OFFSET

Offset Applications (7" Top Plate)

1/2" Floor Offset



R.5OS

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 161/4"

R.5OSMR_ **

OF COMPONENTS: 3

³/₄" Floor Offset



R.75OS_

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 193/8

R.75OSMR **

OF COMPONENTS: 3

1" Floor Offset



AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP R1OS_ ASSEMBLY LENGTH*: 221/2"

R1OSMR ** # OF COMPONENTS: 4

11/4" Floor Offset

R1.25OSMR **





R1.25OS

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

ASSEMBLY LENGTH*: 255/81 # OF COMPONENTS: 4

11/2" Floor Offset



R1.50S

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

ASSEMBLY LENGTH*: 283/4" # OF COMPONENTS: 5

13/4" Floor Offset





R1.75OS

R1.5OSMR_ **

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

ASSEMBLY LENGTH*: 317/8 R1.75OSMR_ ** # OF COMPONENTS: 5

2" Floor Offset





AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

R2OS_ ASSEMBLY LENGTH*: 35' R2OSMR ** # OF COMPONENTS: 6

Complete assembly drawings available online.

NOTE: Greater offset may be accomplished by using Pemko risers.

- *Assembly length includes 7" top plate
- **Miter Returns are not ADA Compliant



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

10BE (Satin Bronze Powder Coated Aluminum) A (Mill Finish Aluminum) AK (Mill Finish Aluminum) AK (Mill Finish Aluminum) Non-Slip Coating) BSP (Black Suede Powder Coated Aluminum) WSP (White Suede Powder Coated Aluminum)

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2" FLOOR OFFSET

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Short Offset Applications (31/2"Top Plate)

1/2" Floor Offset

R.5OSS_ R.5OSSMR ** AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 123/4" # OF COMPONENTS: 3

³/₄" Floor Offset

R.75OSS R.75OSSMR **

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 157/81 # OF COMPONENTS: 3

1" Floor Offset

R1OSS_

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 19"

R1OSSMR ** # OF COMPONENTS: 4

11/4" Floor Offset

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

R1.25OSSMR_ ** # OF COMPONENTS: 4

R1.25OSS_

ASSEMBLY LENGTH*: 221/8

11/2" Floor Offset



R1.5OSS

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 251/4"

R1.5OSSMR ** # OF COMPONENTS: 5

13/4" Floor Offset



R1.75OSS

AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP ASSEMBLY LENGTH*: 283/8"

R1.75OSSMR **

OF COMPONENTS: 5

2" Floor Offset

R2OSS R2OSSMR_ ** AVAILABLE FINISHES: 10BE, A, AK, BSP, WSP

ASSEMBLY LENGTH*: 311/2" # OF COMPONENTS: 6

Complete assembly drawings available online.

2" FLOOR OFFSET

NOTE: Greater offset may be accomplished by using Pemko risers.

- *Assembly length includes 31/2" top plate
- **Miter Returns are not ADA Compliant



Assembly Shown: R.75OSS



Opening Solutions

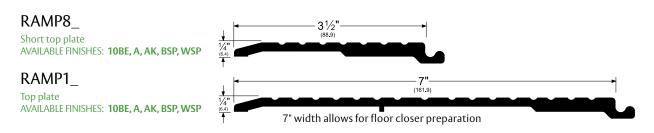
10BE (Satin Bronze Powder Coated Aluminum) A (Mill Finish Aluminum) AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating) BSP (Black Suede Powder Coated Aluminum) WSP (White Suede Powder Coated Aluminum)

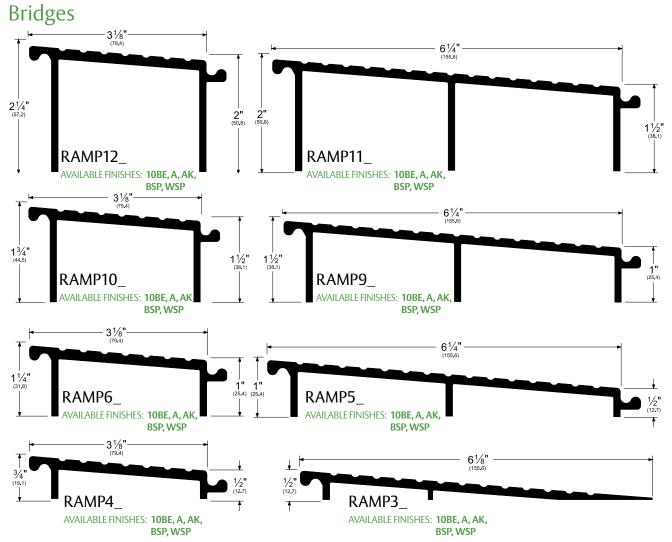
AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

Modular Ramp Threshold Components

- Components are generally sold as part of assemblies
- Ramp Assemblies consist of interlocking components, eliminating the need to weld joints. Interlocking ball-joint design allows each component to flex and conform to uneven surfaces
- All assemblies carry the following labels: & BHMA
- PemKote[™] is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present NOTE: The following pages are for component identification only. Do not order from these pages. Order only complete assemblies from pages 146 to 148

Top Plates





NOTE: Products shown in this section are not drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart) 10BE (Satin Bronze Powder Coated Aluminum) A (Mill Finish Àluminum) AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating) BSP (Black Suede Powder Coated Aluminum) WSP (White Suede Powder Coated Aluminum) 800-824-3018 | www.assaabloydooraccessories.us

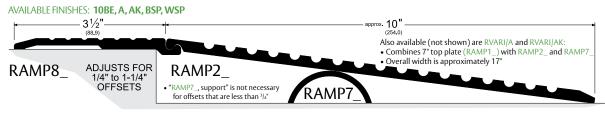
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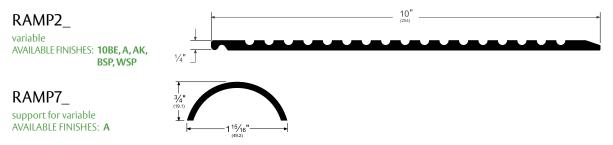
Modular Ramp Threshold Assemblies - Variables

- Use a "Variable" component to accommodate offsets from 1/2" to 11/4". These meet the 1:8 maximum slope allowance (ADA) for existing buildings. For new construction, this assembly is only ADA compliant in certain applications as outlined by the current ADA standard
- May require a variance from some state building codes, even though ADA compliant
- Ideal for use in cross traffic corridors where a minimal ramp projection may be required and a steeper slope may be allowed.
 Supplied with #10 stainless steel sheet metal screws. Stainless steel machine screws and expansion shields are available at an extra cost
- Miter returns are not available due to the variable angle of this ramp. Please fill and feather the threshold ends.
 Do not leave threshold ends open
- This variable ramp is supplied un-drilled from Pemko. Due to the
 variance in the angle, it must be drilled in the field. For proper
 installation, it requires the RAMP7_ to be placed under RAMP2_
 after the assembly is in place, then must be match drilled and
 anchored through both components
- PemKote[™] is highly recommended for all ramp threshold assemblies especially exterior conditions where moisture may be present
- In addition to ADA compliance, outlined previously, all assemblies carry the following labels:

RVARIOSS_

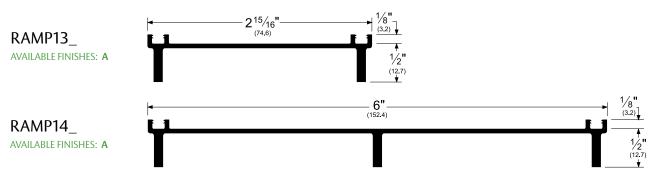


Variable Ramp Components



Risers for Modular Ramps

- Risers easily attach to the legs of Pemko's Modular Ramp Systems. Each adds $^1\!/_2$ in height to accommodate offsets greater than $2^1\!/_4$ "
- Contact Pemko Customer Service for information on stacking risers to reach desired height



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NOTE: Products shown in this section are not drawn to scale.

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

10BE (Satin Bronze Powder Coated Aluminum) A (Mill Finish Aluminum) AK (Mill Finish Aluminum with PemKote™
Non-Slip Coating) BSP (Black Suede Powder Coated Aluminum) WSP (White Suede Powder Coated Aluminum)

Miter Returns For All Modular Ramp Thresholds

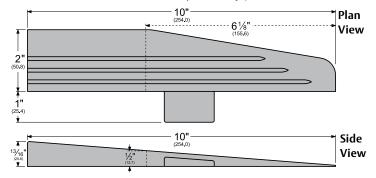
- Cast aluminum "wings" fit into end of modular ramp threshold assembly and are fastened to ramp mid sections with selftapping machine screws
- Neat, compact, and tight-fitting design replaces former mitering methods
- Miter Returns are match-drilled with each assembly
- · Miter Returns are not "ADA" compliant
- Miter Returns are handed from the low end and are determined by which side of the ramp it fits into

BHMA

WING10 H

AVAILABLE FINISHES: A, AK

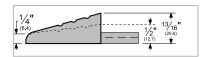
WING10 can be trimmed to fit ramp assembly (dotted lines show cut down for use with R.5FMR_)



WING10RH

(right-hand shown)

End View

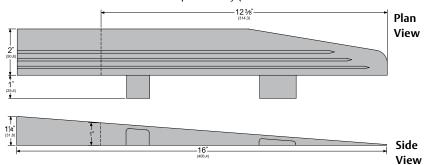


View from high-end

WING16 H

AVAILABLE FINISHES: A, AK

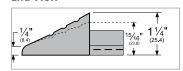
WING16 can be trimmed to fit ramp assembly (dotted lines show cut down for use with R1FMR_)



WING16RH

(right-hand shown)

End View

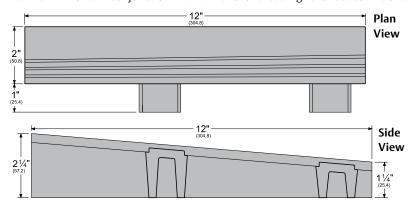


View from high-end

WINGEXT_H_

AVAILABLE FINISHES: A, AK

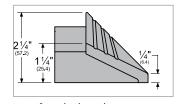
• WINGEXT are included with assemblies to completely fill ends for 2" offset or 21/4" flush conditions WINGEXT works in conjunction with WING16 for these higher offset conditions



WINGEXTRH

(right-hand shown)

End View



View from high-end

See flyer on the Literature page of www.assaaabloydooraccessories.us for WING cut-down chart.

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AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart) A (Mill Finish Aluminum) AK (Mill Finish Aluminum with PemKote $^{\text{IM}}$ Non-Slip Coating)

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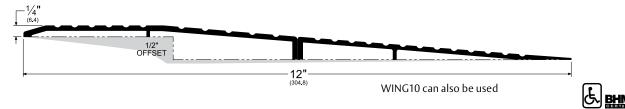
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Barrier-Free Ramp Thresholds

- The modular ramp thresholds are an improvement over the 257/259 however, 257/259 will remain available for special requirements
- Use **257**_ and **259**_ together, or use **257**_ with an abutted 1:12 concrete slope
- When used as a cover plate assembly (see Commercial Thresholds section), a longer spindle may be required
- Ramps on this page are not ADA compliant when used at a door opening
- The **257**_ is not ADA compliant when used alone.
- PemKote[™] is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present

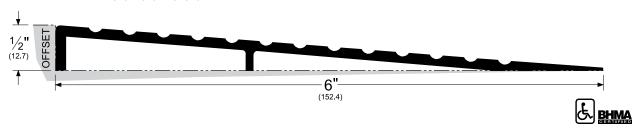
257x259_

AVAILABLE FINISHES: 10BE, A, AK, B, BSP, D, G, WSP



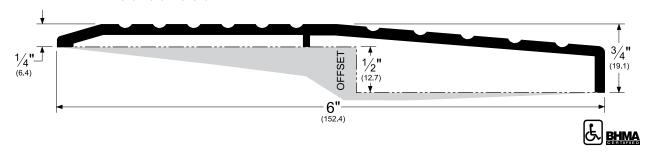
259

AVAILABLE FINISHES: 10BE, A, AK, B, BSP, D, G, WSP



257

AVAILABLE FINISHES: 10BE, A, AK, B, BSP, D, G, WSP



 $NOTE: Products\ shown\ in\ this\ section\ are\ not\ drawn\ to\ scale.$

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

10BE (Satin Bronze Powder Coated Aluminum) A (Mill Finish Aluminum)

AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating) B (Mill Finish Extruded Bronze [Brass])

BSP (Black Suede Powder Coated Aluminum) D (Dark Bronze Anodized) G (Gold Anodized)

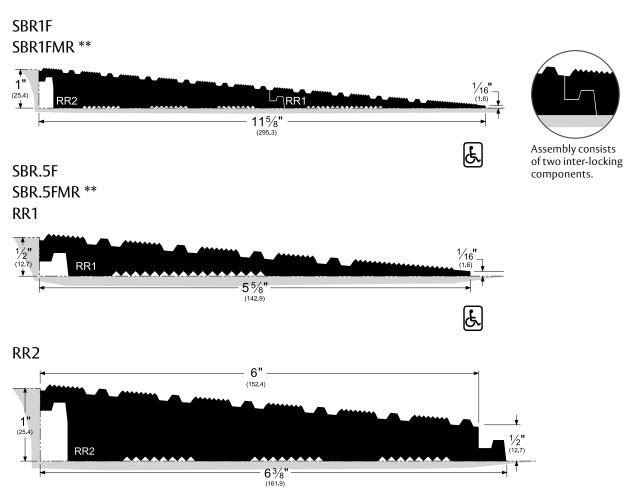
WSP (White Suede Powder Coated Aluminum)



Fire Retardant and Styrene Butadiene Rubber Ramp Thresholds

- Rubber ramps meet the requirements of ADAAG-2010; IBC/ANSI A117.1; and California Title 24, Part 2
- Styrene butadiene rubber ramps are weather, ozone, abrasion. and impact resistant; long-lasting and fire retardant
- Rubber ramps are sold in one foot increments up to 15-foot lengths
- Rubber ramps can be butted together for longer lengths
- Rubber ramps are cut square on each end but are available with molded rubber miter returns. To receive a pair of miter returns, add "MR" to the part number (example: SBR.5FMR)
- Rubber ramps have a superior grip, anti-slip surface and a "no **bump**" tapered lead edge. Rubber ramps are classified by Underwriters Laboratories, Inc.,® as a skid-resistant floor surface per UL standard for safety, UL410. Rubber ramps also meet the requirements of ASTM D 2047 and Federal Specification P-F-430C

- Rubber ramps are easy to install on most surfaces by using a construction adhesive. Mechanical fasteners are not required and not recommended
- Rubber ramps are also portable. For temporary applications, an assembly stays in place by its sheer weight and can be removed from one opening and placed at another opening
- Use an adhesive (caulk) suitable for use with plastics and your flooring material for proper installation and adhesion
- Rubber ramps are available for 1/2" and 1" offset heights
- Rubber ramps can be cross-cut to length or ripped to a custom offset height using a table or radial arm saw with a carbidetipped blade. These modifications must be made in the field



This component (RR2) is not ADA compliant when used by itself.

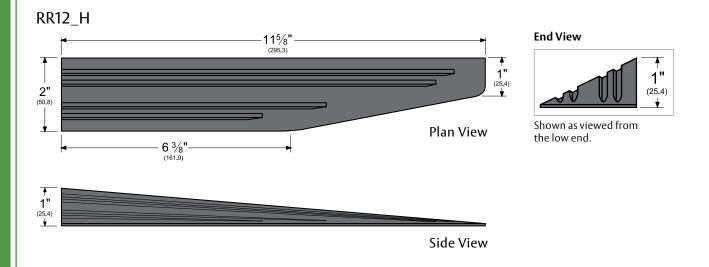
NOTE: Products shown in this section are not drawn to scale.

** = Miter Returns are not ADA compliant

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Rubber Ramp Miter Returns

- Made from molded styrene butadiene rubber
- Glue miter returns to each end using an adhesive such as **RR200**
- Miter Returns are supplied in pairs: one left-hand (RR12LH) and one right-hand (RR12RH)
- If only one miter return is required, specify the handing



Recycled Rubber Ramp Assembly

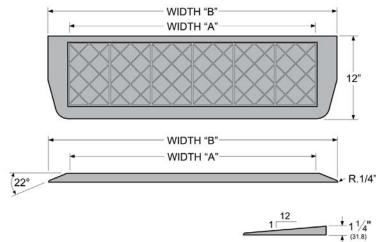
- ADA Compliant, based on application
- Meets: UL410, ASTM D2047, Federal Specification P-F-430C
- Recycled Rubber Ramp Assemblies meet IBC/ANSI A117.1-2013
- Made from #20 mesh minus crumb rubber (with urethane binders) reclaimed from 100% recycled rubber automotive tires
- Use an adhesive (caulk) suitable for use with plastics and your flooring material for proper installation and adhesion. Avoid Liquid Nails with Rubber Ramps
- Using ordinary tools, trim to fit your application

- Can be ripped for offsets less than 11/4"
- · Plane bottom surface of ramp to accommodate irregular surface conditions
- Miter returns are molded into the design of the Recycled Rubber Ramp
- 36" and 60" ramps are supplied as one (1) piece assemblies
- 48" and 72" ramps are supplied as two (2) piece assemblies
- Dimensions are nominal and can vary by as much as one inch. This is acceptable as long as the two halves match

Ordering Chart

Other sizes are available, please contact Pemko Customer Service.

PART#	WIDTH "A" (door opening)	WIDTH "B" (total width)
RR1.25FMR36	36"	41"
RR1.25FMR48	48"	53"
RR1.25FMR60	60"	65"
RR1.25FMR72	72"	77"
RR1.25FMR96	96"	101"





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