

GASKETING

THRESHOLDS

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Company Overview

National Guard Products was founded in 1935 as a local manufacturer of steel window guards in Memphis, TN. NGP eventually evolved into a leading manufacturer of commercial door hardware products, including thresholds, gasketing, lite kits, and louvers. NGP moved into a 160,000 square foot custom-built modern manufacturing facility in 1997, and has the capacity to deliver the service and quality its customers have come to expect. NGP is dedicated to manufacturing the finest commercial door hardware products available. All of NGP's fire-rated products have been tested and classified by Underwriters Laboratories. Our ADA compliant products meet the requirements of the Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines. NGP personnel helped develop the American National Standard for thresholds and gasketing, and were instrumental in developing ANSI/BHMA certification for commercial thresholds and gasketing. A list of NGP's approved products can be found at www.buildershardware.com. In this era of consolidation in the commercial door hardware manufacturing market, NGP remains a unique independent company. With the capacity of a large manufacturer, and the intimacy and versatility of a small family-owned business, NGP continues to provide quality products backed up by exemplary customer service.

Symbols/Legend



UL10B & CAN4-S104-80M CLASSIFIED, complies with NFPA 80 and NFPA 252 for application to Steel fire doors rated up to 3 Hrs., and Wood type fire doors rated up to 90 minutes. (Rating on some items vary and are noted.)



POSITIVE PRESSURE UL10C CLASSIFIED, Category 'J'; complies with **IBC**, NFPA 80 and NFPA 252 for application to Positive Pressure Steel fire doors rated up to 3 Hrs., and Wood type fire doors rated up to 90 minutes. (Ratings on some items vary and are noted.)



NGP-EDGE® SEALING SYSTEM, Category 'G' classified; required for Category B classified wood type fire doors to meet positive pressure requirements complying with **IBC**, and NFPA 252. See individual products for maximum door size and ratings.



SMOKE & DRAFT CONTROL GASKETING, Category 'H' classified; complies with **IBC**, UL1784 and NFPA 105 for use on '**S**' labeled Positive Pressure Steel fire doors rated up to 3 hours, and wood type fire doors rated up to 90 minutes. (Ratings on some items vary and are noted.)



ACOUSTICAL TESTED to ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, and ASTM E1408 Standard Test Method for Laboratory Measurement of the Sound Transmission Loss of Door Panels and Door Systems.



AIR INFILTRATION TESTED to ASTM E283, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.



ANSI/BHMA CERTIFIED. Certified products comply with American National Standard for Thresholds ANSI/BHMA A156.21 (2009) - Door Gasketing and Edge Seal Systems ANSI/BHMA A156.22 (2011), and are listed in the BHMA Certified Products Directory.



Online product listings: www.ul.com/database



ADA COMPLIANT Barrier Free Thresholds meet the requirements of the Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines - July 23, 2004 and ICC/ANSI A117.1-2003 Accessible and Usable Building and Facilities.



SLIP-RESISTANT NGP 'SIA' (Slick-it-Ain't) textured surface is available on all thresholds. Our process embeds and fuses bits of hot nickel and titanium into the surface of the threshold. This technology originally developed for use on aircraft carrier decks is very skid resistant and will not wear off.

Threshold Materials

Thresholds are Aluminum Alloy 6063, T5 temper, unless noted.
 Cover Plates 818, 814 and 828 are Aluminum Alloy 3003, H14 hardness.
 Cover Plate 838 is Aluminum Alloy 5052, H32 hardness.

Architectural Bronze Thresholds are Alloy CDA 385 (Copper Alloy No. C38500), Architectural Bronze.
 Brass Cover Plate 818BR is Alloy CDA 260 (Copper Alloy No. C26000) cold formed Cartridge Brass.

Stainless Steel Thresholds and Cover Plates are Type 304; known for its excellent corrosion resistance, high tensile strength and resistance to oxidation.

Threshold Finishes

Aluminum:	Mill Finish	ANSI/BHMA 719	NGP Suffix: None
	Dark Bronze		DKB
	Polished	ANSI/BHMA 717	POL
	Powder Coated Colors Slip Resistant		SIA
Architectural Bronze:	Satin Finish	ANSI/BHMA 728	BR
	Dark Bronze Oil Rubbed	ANSI/BHMA 722	BR-DKB
	Polished	ANSI/BHMA 721	BR-POL
	Slip Resistant		BR-SIA
Stainless Steel:	Mill Finish	#2B	SS
	Brushed (#4)	ANSI/BHMA 630	SS-Brushed
	Polished	ANSI/BHMA 629	SS-POL
	Slip Resistant		SS-SIA

Slip Resistant Finish



SIA (Slick It Ain't) finish is our slip resistant textured surface, available on all thresholds up to 24" wide and on 818 aluminum and brass cover plate up to 10" wide.

Our SIA technology embeds bits of hot nickel and titanium into the surface of the threshold using a high pressure thermo-electrostatic process. It was originally developed for use on aircraft carrier decks. SIA finish is very durable and will not wear off.

This results in a slip resistant surface that is similar to high grit sandpaper.

Aluminum and Stainless Steel SIA finish thresholds are a pewter color.
 Architectural Bronze SIA finish thresholds are a brass color.

Powder Coat Finish

Powder Coat finish is available on most thresholds upon request.



Gasketing Materials

Metal retainers for gasketing are Aluminum Alloy 6063, T5 temper, unless noted.

Architectural Bronze gasketing is Alloy CDA 385 (Copper Alloy No. C38500), Architectural Bronze.

Stainless steel gasketing is Type 304; known for its excellent corrosion resistance, high tensile strength and resistance to oxidation.

NGP utilizes a variety of gasketing materials including Vinyl, Neoprene, Silicone, Nylon Brush, Thermo-Plastic Elastomers (TPE), Polypropylene Pile, Ethylene-Propylene-Diene-Monomer (EPDM), Polyurethane, and Intumescent Fire Seals. Product Illustrations indicate the Gasketing material.

Adhesive mounted gasketing utilizes a pressure sensitive modified acrylic adhesive protected by a release liner. Once installed it provides a permanent bond in exterior or interior locations. End use temperature range is 0°F up to 190°F. Shelf life of adhesive prior to installation is one year when stored at 75°F and 50% relative humidity or less.

Gasketing Finishes

			<u>NGP Suffix:</u>
Aluminum:	Mill Finish	ANSI/BHMA 719	None
	Clear Anodized	ANSI/BHMA 628	A
	Dark Bronze		DKB
	Gold		B
	Polished	ANSI/BHMA 717	POL
	Powder Coated Colors		
Architectural Bronze:	Satin Finish	ANSI/BHMA 728	BR
	Dark Bronze Oil Rubbed	ANSI/BHMA 722	BR-DKB
	Polished	ANSI/BHMA 721	BR-POL
Stainless Steel:	Mill Finish	#2B	SS
	Brushed (#4)	ANSI/BHMA 630	SS-Brushed
	Polished	ANSI/BHMA 629	SS-POL

Gasket Materials:

Neoprene is Black	N
Polyurethane is Black	U
Vinyl is Gray, except where noted as Black	V
Silicone colors: Black, Brown, Clear, Gray, Tan, White	S
Nylon Brush colors: Black, Gray, Tan	
TPE colors: Brown, Charcoal, Clear, White	
Polypropylene Pile is Gray	
EPDM is Gray	

Powder Coat Finish

Powder Coat finish is standard on Metal Edges and Astragals and is available on most metal gasketing retainers upon request. Consult factory for custom color matching.



WARRANTY TERMS AND CONDITIONS

- 1. Limited Warranty; Limitation of Remedy and Damages.** Subject to the limitations of liability set forth below, NGP warrants for a period of five (5) years from date of delivery (the "Warranty Period"), that the products provided by NGP hereunder (the "Products") (i) shall conform substantially to the specifications provided to NGP, if any, so long as the Products have been properly installed; and (ii) shall conform substantially to the specifications provided by NGP, and (iii) are free from defects in workmanship and materials.

THIS IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY NGP WITH RESPECT TO THE PRODUCTS AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE. NGP HEREBY DISCLAIMS AND EXCLUDES ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty does not cover, and NGP will not be liable for, defects or damage arising from improper installation, modification, lack of or improper maintenance, improper storage, shipping and handling, ordinary wear and tear, misuse, abuse, accident, unauthorized service, use with unauthorized products or parts, or improper product selection or specification.

The sole and exclusive liability of NGP under this warranty or otherwise shall be limited to the repair or replacement of any Product or component part which shall prove defective to the original purchaser from NGP hereunder (the "Purchaser"), and shall not extend to dismantling, installing or reinstalling (or payment for the cost of the same). NGP will not pay for the costs of repair or replacement performed other than in accordance with this warranty. NGP SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, TORT OR OTHERWISE), SHALL NGP'S LIABILITY TO PURCHASER AND/OR ITS CUSTOMERS EXCEED THE PRICE PAID BY PURCHASER FOR THE SPECIFIC PRODUCTS GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. PURCHASER AGREES THAT IN NO EVENT SHALL NGP'S LIABILITY TO PURCHASER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES RESULTING FROM USE OF THE PRODUCTS, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. This warranty is governed by the law of the State of Tennessee without regard to its conflicts of law principles.

- 2. No Set-off.** Purchaser acknowledges that its obligations to pay NGP all sums properly invoiced to purchaser by NGP for the products are absolute and unconditional. Purchaser shall make all payments to NGP when due hereunder and shall not withhold, delay or condition payment for any reason whatsoever. Purchaser shall not set-off any amounts due NGP against any amounts already due from NGP to Purchaser and expressly waives any right to claim of set-off.
- 3. Claims.** Any claim by Purchaser with reference to the Products shall be deemed waived by Purchaser unless submitted in writing in accordance with this Paragraph 3. Purchaser shall inspect the Products immediately upon receipt and prior to any installation or use of such Products. Unless Purchaser provides written notice to NGP of any claim for shortages or defects in the Products within fourteen (14) days after Purchaser's receipt of shipment, such Products shall be deemed finally inspected and accepted by Purchaser. If a defect is of such nature that reasonable inspection within the time provided herein would not disclose it, then notice of the claimed defect shall be made in writing and delivered to Purchaser within ten (10) days after Purchaser knew or should have known of the defect (but in no event later than the expiration of the Warranty Period); provided, however, that (notwithstanding any provisions hereof to the contrary) NGP shall not be liable for claimed defects in Products once such Products have been incorporated into a structure. At NGP's request, Purchaser will send any allegedly non-conforming Products to NGP. Any written notice of a claim hereunder shall be sent in writing to National Guard Products, 4985 East Raines Road, P.O. Box 753430, Memphis, Tennessee 38175.
- 4. Additional Terms.** Acceptance of the Products shall be limited to the terms and conditions contained herein. Any terms and conditions contained in Purchaser's purchase order or acceptance that are in addition to, or are in conflict with, the terms and conditions contained herein shall not become a part of the agreement between NGP and Purchaser unless expressly agreed to in writing by NGP.

Contact:

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