

McKINNEY[®]

Edge Sealing Products



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Edge Sealing Products Silicon Seal – Adhesive Backed Fire/Smoke Gasketing

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1-800-346-7707

www.mckinneyhinge.com

SiliconSeal™ Adhesive Backed Fire/Smoke Gasketing

- Extruded from high temperature silicone: effective between -100°F and 800°F.
- Seals begin compressing at 1/4" (**MCKS88**), 5/16" (**MCKS77**), 3/8" (**MCKS44**), and can all be compressed sufficiently to seal openings with 1/16" gaps, making door latching easy.
- Self-extinguishing and non-toxic. Unaffected by sunlight, ozone, and ultraviolet rays.
- Impervious to fungus and mildew; will not deteriorate under normal exposure.
- Smoke tested by WYLE Laboratories in accordance with UL 1784-90; meets the requirements of NFPA 105 "Installation of Smoke Control Door Assemblies".
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors.
- **MCKS88**, **MCKS77** and **MCKS44** are air infiltration tested in accordance with ASTM E-283-91. Air infiltration is only .09 CFM / ft of crack.
- **MCKS77** is designed for hollow metal and wood door meeting stile applications.
- **MCKS44** is designed for tighter frames and demonstrates extremely low closing force.

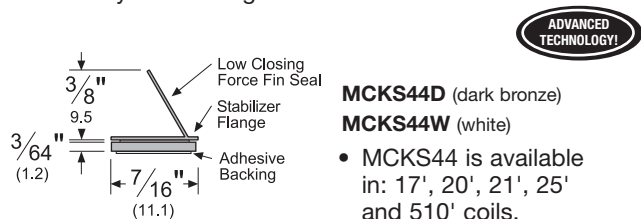
Many fire rated door assemblies (currently listed for UL10B) can now be listed for positive pressure by using Hot Smoke Seal™ in combination with SiliconSeal™. Consult individual door and / or frame manufacturers for specific listing information.

Hot Smoke Seal™ and SiliconSeal™ – The Ideal Edge Sealing System

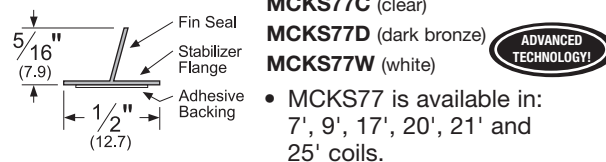
- Numerous door system configurations have been tested – over 100 technical data sheets are available at www.mckinneyhinge.com

MCKS44 SiliconSeal™

- MCKS44 is designed for tighter frames and demonstrates extremely low closing force.

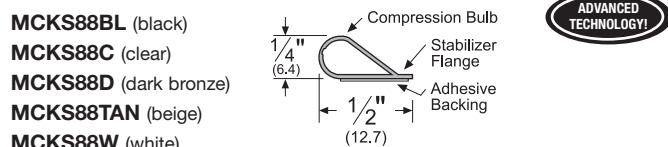


MCKS77 SiliconSeal™

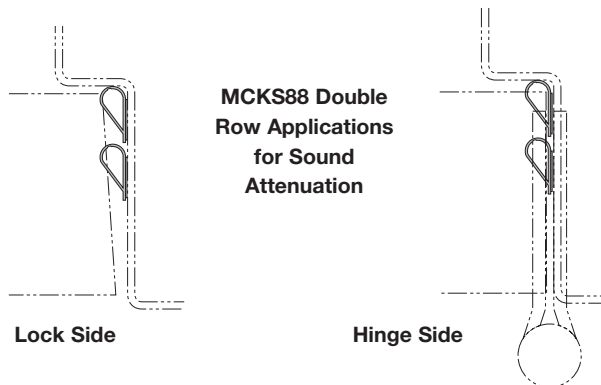


MCKS88 SiliconSeal™

- MCKS88 is air filtration tested.



- MCKS88 is available in: 17', 20', 21', 25' and 510' coils.



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PemkoPrene – Adhesive Backed

Fire/Smoke Gasketing

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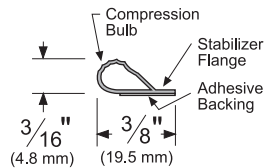
PemkoPrene™ – Adhesive Backed Fire / Smoke Gasketing

- Seals begin compressing at 3/16", and both can be compressed sufficiently to seal openings with 1/16" gaps, making door latching easy.
- Excellent resistance to compression set, particularly at elevated temperatures and for extended periods of time.
- Stays flexible between -70°F and 250°F with very high resistance to flex fatigue.
- Outstanding ozone resistance rating.
- Smoke tested by WYLE Laboratories in accordance with UL 1784-90; meets the requirements of NFPA 105 "Installation of Smoke Control Door Assemblies".
- **MCKPK33** is designed for tighter frames and demonstrates extremely low closing force.

MCKPK33 PemkoPrene™

- MCKPK33 is designed for tighter frames and demonstrates extremely low closing force.

MCKPK33BL (black)
MCKPK33D (dark bronze)
MCKPK33W (white)

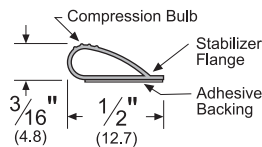


- MCKPK33 is available in: 17', 20', 21', 25' and 510' coils.

MCKPK55 PemkoPrene™

- MCKPK55 is designed for tighter frames and demonstrates extremely low closing force.

MCKPK55BL (black)
MCKPK55D (dark bronze)
MCKPK55W (white)



- MCKPK55 is available in: 17', 20', 21', 25' and 510' coils.



These icons represent listings for the above products: **MCKPK33** and **MCKPK55**.

Edge Sealing Products Smoke Fire Gasket

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McKINNEY's intumescent and fire / smoke gasketing products have assisted numerous door and frame manufacturers in complying with the new stringent positive pressure standards UL10C and UBC7-2, Parts I and II, UBC7-2, Part I (for fire) and

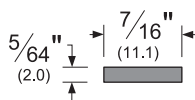
- The new positive pressure building codes require stopping the passage of smoke, flames and hot gasses.
- Product categories include: **Hot Smoke Seal™ – Adhesive Backed and Kerf-In Intumescent, SiliconSeal™ – Adhesive Backed Fire / Smoke Gasketing, PemkoPrene™ and Adhesive Backed Fire / Smoke Gasketing** (shown in this section).
- Many fire rated door assemblies (currently listed for UL10B) can now be listed for positive pressure (UL10C) by using **Hot Smoke Seal™** in combination with **SiliconSeal™**. Consult individual door and / or frame manufacturers for specific listing information.

MCKHSS1000 and MCKHSS 2000 Hot Smoke Seal™

- Hot Smoke Seal™ is a chemically inert, highly stable, expandable graphite strip.
- Hot Smoke Seal™ is tested and proven in positive pressure conditions to withstand both hot smoke and hot gasses, resulting in the longer integrity of a door assembly.
- Hot Smoke Seal™ is more economical to use than specially modified doors in “tested assembly only” classifications.
- Hot Smoke Seal™ can be painted to blend in with the finish of a frame.
- Hot Smoke Seal™ is chemically inert, and therefore will not degrade from carbon dioxide and ozone like the many intumescents being offered by other manufacturers.
- Hot Smoke Seal™ is not affected by moisture and will not break down like fiber or cellulose based products.
- Hot Smoke Seal™ does not require periodic after market field inspections.

MCKHSS1000 Hot Smoke Seal™

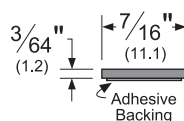
MCKHSS1000 is available in 7', 8', 18', 21' and 24' coils.



These icons represent listings for the above products: MCKHSS1000 and MCKHSS2000.

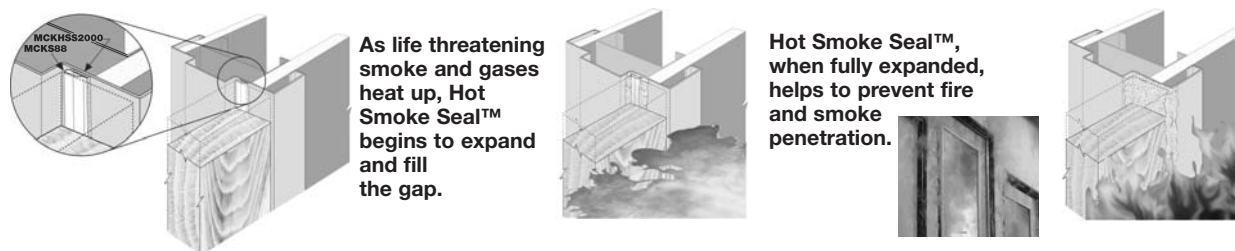
MCKHSS2000 Hot Smoke Seal™

MCKHSS2000 is available in 7', 8', 18', 21' and 24' coils.



How does Hot Smoke Seal™ work?

- Positive pressure testing shows that many assemblies require two kinds of door seals:
 - A seal that helps prevent the flow of smoke and flames at ambient temperatures.
 - A seal that does the same at elevated temperatures.
- McKINNEY has a superior line of door seals to help prevent smoke and flame passage at temperatures up to 800° F.
- McKINNEY's MCKHSS1000 and MCKHSS2000 expandable graphite strip starts filling the gap around a door once temperatures reach 250° F.



Edge Sealing Products Hot Smoke Seal/Smoke Gasketing

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MCKHSS2000 x MCKS44 and MCKHSS2000 x MCKS88 Hot Smoke Seal™ and SiliconSeal™ in One!

The world's best smoke seal (SiliconSeal™) and the world's best intumescent fire seal (MCKHSS2000) rolled into one! Introducing two new revolutionary products: McKINNEY's new MCKHSS2000 x MCKS44 and MCKHSS2000 x MCKS88

Attributes of MCKHSS2000 are:

- Hot Smoke Seal™ is a chemically inert, highly stable, expandable graphite strip.
- Hot Smoke Seal™ is tested and proven in positive pressure conditions to withstand both hot smoke and hot gases, resulting in the longer integrity of a door assembly.
- Hot Smoke Seal™ is more economical to use than specially modified doors in "tested assembly only" classifications.
- Hot Smoke Seal™ is chemically inert, and therefore will not degrade from carbon dioxide and ozone like the many intumescents being offered by other manufacturers.
- Hot Smoke Seal™ is not affected by moisture and will not break down like fiber or cellulose based products.
- Hot Smoke Seal™ does not require periodic after market field inspections.

Attributes of SiliconSeal™ are:

- Extruded from high temperature silicone: effective between -100°F and 800°F.
- Seals begin compressing at 1/4" (MCKS88), 3/8" (MCKS44), and can all be compressed sufficiently to seal openings with 1/16" gaps, making door latching easy.
- Self-extinguishing and non-toxic. Unaffected by sunlight, ozone, and ultraviolet rays.
- Impervious to fungus and mildew; will not deteriorate under normal exposure.
- Smoke tested by WYLE Laboratories in accordance with UL 1784-90; meets the requirements of NFPA 105 "Installation of Smoke Control Door Assemblies".
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors.
- MCKS88 and MCKS44 are air infiltration tested in accordance with ASTM E-283-91. Air infiltration is only .09 CFM / ft of crack.
- MCKS44 is designed for tighter frames and demonstrates extremely low closing force.

MCKHSS2000 x MCKS44

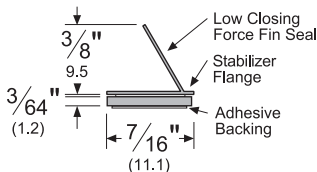
- Adhesive backed intumescent and silicone gasketing in one.

MCKHSS2000 x MCKS44D (dark bronze)

MCKHSS2000 x MCKS44W (white)



- MCKHSS2000 x MCKS44 is available in: 18', 20', 21' and 24' coils.



MCKHSS2000 x MCKS88

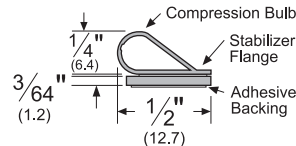
- Adhesive backed intumescent and silicone gasketing in one.

MCKHSS2000 x MCKS88D (dark bronze)

MCKHSS2000 x MCKS88W (white)



- MCKHSS2000 x MCKS88 is available in: 18', 20', 21' and 24' coils.



These icons represent listings for the above products: MCKHSS2000 X MCKS44 and MCKHSS2000 X MCKS88.

Edge Sealing Products Hot Smoke Seal/Smoke Gasketing

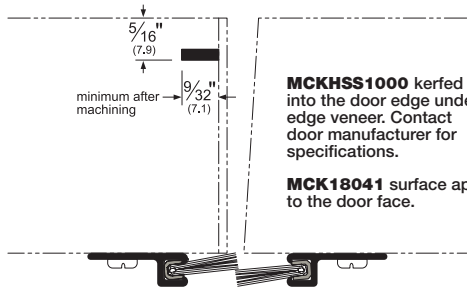
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Hot Smoke Seal™/Smoke Gasketing Systems

Pair of Wood Doors at Meeting Stile

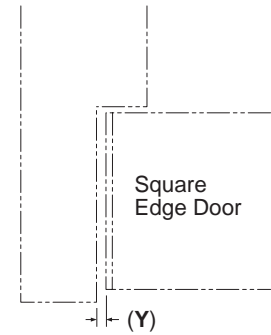
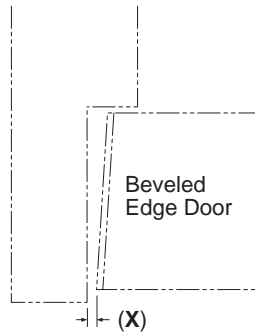


MCKHSS1000 kerfed into the door edge under edge veneer. Contact door manufacturer for specifications.

MCK18041 surface applied to the door face.

Product application and location may vary. Consult individual door and/or frame manufacturer for specific installation instructions.

Door Clearance Requirements		
	Beveled Edge Door (x)	Square Edge Door (y)
MCKHSS2000 x MCKS44	0	.080
MCKHSS2000 x MCKS88	.010	.100



All system drawings are available on our website: www.mckinneyhinge.com

Edge Sealing Products

Standard Finishes/Special Order Finishes

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Standard Finishes	
Code	Finish Designations
A	mill finish aluminum
B	mill finish extruded bronze (brass)
BDC	bright dip clear anodized aluminum
BDG	bright dip gold anodized aluminum
C	clear anodized aluminum
CB	cladded brass
D	dark bronze anodized aluminum
G	gold anodized aluminum
PA	painted aluminum
PB	painted bronze aluminum
PD	painted dark bronze aluminum
PG	painted gold aluminum
PW	painted white aluminum
S	cladded stainless steel
SN	satin nickel anodized aluminum
SP	galvanealed steel
SS	see individual part for finish
Z	zinc metal
AK	skid resistant PemKote™ (on aluminum or bronze)
Special Order Finishes	
Code	Finish Designations
•	black anodized aluminum
•	chrome plated bronze
•	gray prime coated aluminum
•	polished aluminum, uncoated
•	polished bronze, uncoated
•	satin brushed aluminum, uncoated
•	satin brushed bronze, uncoated
•	oxidized and oil rubbed bronze

250 / BDG / V / 36

PROFILE	FINISHES	INSERTS	LENGTH
430	A mill finish aluminum	N neoprene	32
177	B mill finish extruded bronze (brass)	NB nylon brush	36
303	BDG bright dip gold anodized aluminum	P pile	48
250	C clear anodized aluminum	R sponge neoprene	72
3494	D dark bronze anodized aluminum	S SiliconSeal™	3684
etc.	etc.	V vinyl	etc.

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 YALE-CORBIN Canada, LTD. • 6940 Edwards Boulevard • Mississauga, Ontario • Phone: 905-564-5854 • Fax: 905-564-8182

Founded in 1864, McKINNEY Products Company is a market leader in the manufacture of quality architectural grade hinges including security hinges, and continuous hinges for the builders' hardware industry.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.