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Agenda

- Introduction
- The RodeXit rodent proofing strip
- Rodent proofing doors
- Rodent proofing stationary building parts, fences and/or walls
- Miscellaneous

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Rats and mice are not welcome guest

- Rats and mice
 - are carriers of several deadly and otherwise serious diseases,
 - they routinely damage buildings in all sorts of ways, and
 - a lot of people are afraid of mice and rats.



FEAR

- Therefore they are not welcome guests in
 - private houses,
 - commercial buildings and
 - public facilities



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Brush strips are not the perfect solution 1/4

A brush strip is not a serious challenge for an average rat

I EAT THEM FOR
BREAKFAST

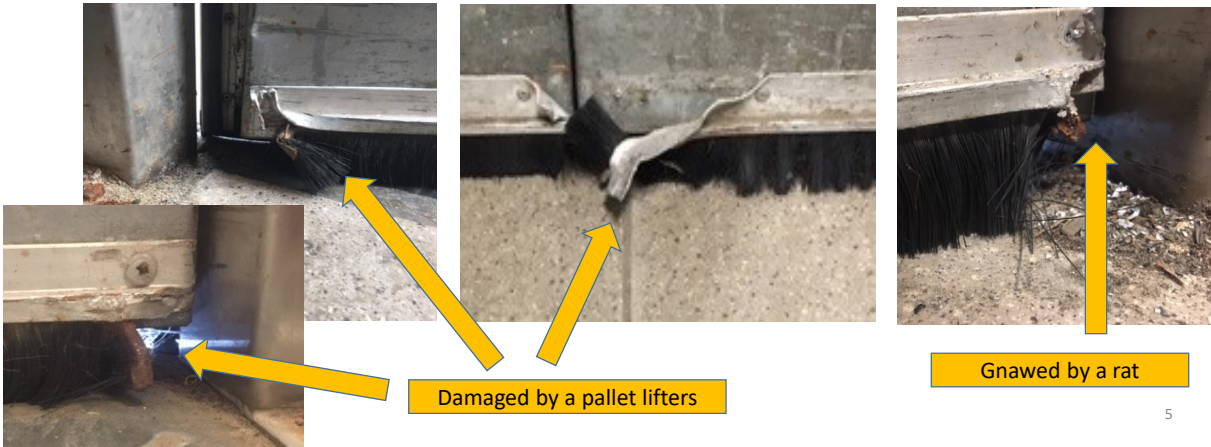


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Brush strips are not the perfect solution 2/4

The aluminum mounting strip of a traditional brush strip is vulnerable



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Brush strips are not the perfect solution 3/4

It is difficult to proof the lower part of the astragal gap of double doors with traditional brush strips



- The pictures show brush strips horizontally mounted on 2 double doors.
- As it can be seen the strips do not provide an effective barrier, where they meet in the lower part of the astragal gap.

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Brush strips are not the perfect solution 4/4

- Traditional brush strips automatically accumulate dirt.
- When dirty the brush fibers get stiff and loose
 - their flexibility and
 - their sealing properties.
- In order to eliminate the resulting risks brush strips must at regular intervals be replaced so they don't get too dirty.



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Vinyl and rubber strips are primarily weather strips and are even less suited for rodent proofing than brush strips *



Weatherstrip of an up and over door gnawed by a rat

* Dr. Robert Corrigan page 109-111 in Rodent Control, A Practical Guide For Pest Management Professionals

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The rubber encased steel fabric door sweep is in several ways an OK solution

- However,
 - The recommended applicability is limited to the proofing of gaps of up to only 0.75 inch (19 mm)
 - The price announced on the producers' website for a "commercial pest control door sweep" is 55.99 USD for 36 inches and 137.80 USD for 96 inches (14th September 2018).
 - The aluminum mounting strip is relatively vulnerable to collisions with fork-lift trucks.



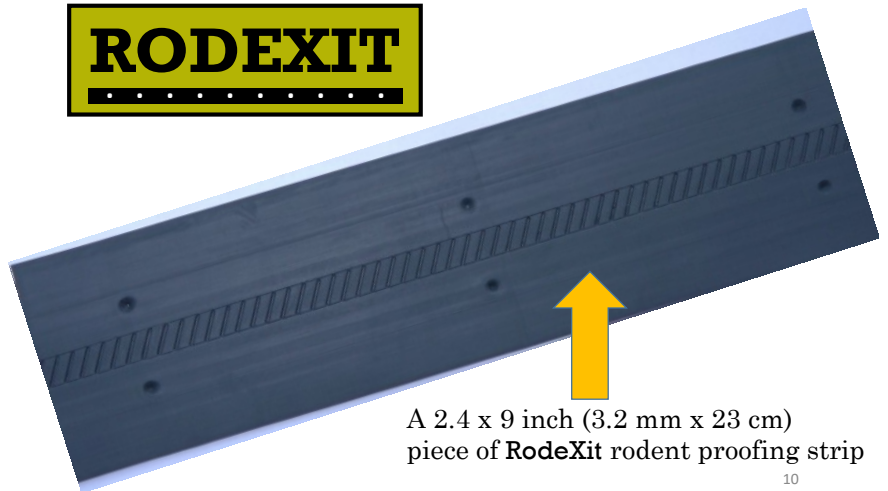
3/4 inch



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Conclusion: There is a substantial need for a better solution



A 2.4 x 9 inch (3.2 mm x 23 cm)
piece of RodeXit rodent proofing strip

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What's in it for an end user?

- If you are an end user e.g. the owner of a food store the rodent proofing strip offers the following advantages:
 - It can save you a lot of trouble, costs and losses associated with mice and rat intrusion.
 - It can reduce the need for distribution of toxic pesticides on your premises in order to eliminate intruding rodents.
 - It will also provide you with protection against bugs, draft and higher/lower outdoor temperatures.
 - When mounted on a door with a shielding strip of stainless-steel it will protect your door from being damaged by collisions from pallet lifters etc.
 - It does not attract dirt like a brush strip, and it has a smooth surface which makes it easy to clean.
 - It is far better than a brush strip at reducing the influx of water.

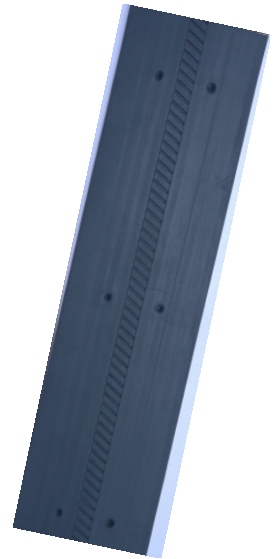


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What's in it for a PMP?

- If you are a PMP selling pest management subscriptions:
 - The rodent proofing strip can reduce your costs as
 - it can be mounted very easily and fast and therefore is quite labor saving,
 - it is very durable so you don't have to replace it frequently, and
 - it can reduce the need for distribution of toxic pesticides on the premises of your customers in order to eliminate intruding rodents.
 - It can also boost your business, as your present and potential customers no doubt will value the high quality and excellent properties of the strip.
 - In short: It can improve your bottom-line.



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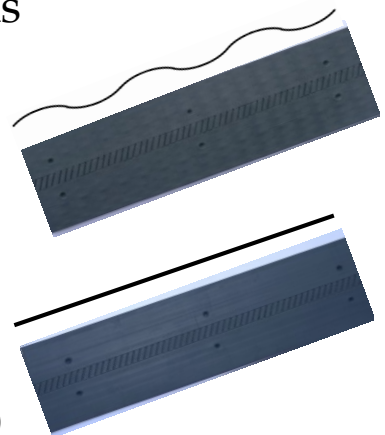
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The 2 present versions

The **RodeXit** rodent proofing strip comes in 2 versions:

- 1) The wave-shaped strip for rodent proofing
 - threshold gaps under door leaves of manual doors
- 2) The straight strip for rodent proofing
 - the astragal gap of double doors
 - gaps in or between stationary building parts, fences and/or walls

Both versions can proof gaps of up to 1.4 inch (35 mm)



1.4 inch

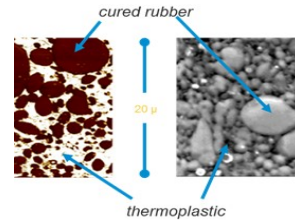
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The 2 components and the structure

The rodent proofing strip consists of:

- The flexible polymer composite material Santoprene™ from Exxon Mobil Chemical
- A rodent proof barrier of 10 embedded stainless steel wires with a diameter of 1 mm
- The below drawing shows a cross section of the strip including the position of the steel wires.



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The basic component Santoprene™ 201-73 from **ExxonMobil** is a very suitable material

- Use examples (requiring long term usability)
 - Automotive and industrial seals and gaskets
 - Automotive bumpers and plugs
- Property examples
 - Brittleness temperature:
 - -76 degrees Fahrenheit / - 60 degrees Celsius
 - Aging - change in tensile strength in air at 302 degrees Fahrenheit (150 degrees Celsius) in 168 hours:
 - 1 %



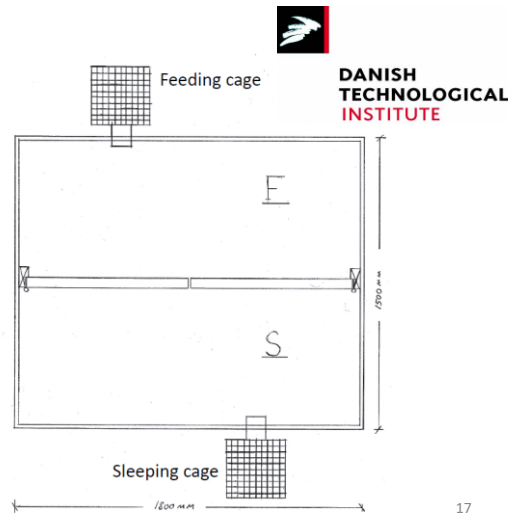
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The rodent proofing technology has been successfully tested by an independent and accredited test institution

The **RodeXit** technology has been tested by Danish Technological Institute for resistance against rat attacks (TI project No. 757848).

- 2 straight strips were mounted on a double door
- 2 rats were given a whole week to go under or break through the strips in order to get access to bait on the other side of the strips.
- The drawing shows the test box seen from above.
- The threshold gap proofed by the strips was 1.8 in (45 mm) high.
- The strips were able to withstand the sustained attacks and passed the test.

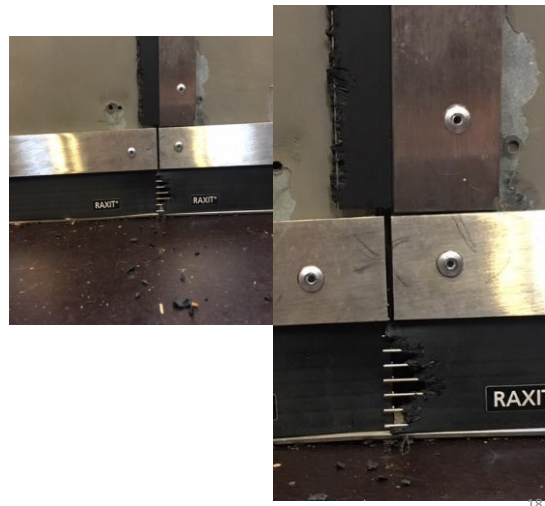


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The unsuccessful rat attacks on the strips

- The pictures show the horizontally and vertically mounted strips, which were subject to rat attacks during the 1 week test at Danish Technological Institute.
- As it can be seen the 2 rats tried to gnaw through both the horizontally and the vertically mounted strips without breaking through.



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The RodeXit rodent proofing strip can stand a good beating

- The **RodeXit** strip is produced in a single process with no assemblies, which can break into pieces.
- The 10 embedded steel wires reinforce the strip just as steel wires reinforce reinforced concrete.
- The complete integration of the steel wires in the Santoprene™ and the reinforcing qualities of the wires make the **RodeXit** strip very solid and durable.



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The RodeXit technology has successfully been wear and tear tested by Danish Technological Institute



- A straight strip was mounted on a 72 cm broad swing door panel.
- When the door was closed, there was no gap between the strip and the underlying terrain.
- The underlying terrain was a slab of concrete.
- The underlying terrain was (contrary to good building practice) 1.5 % reverse-sloped – ½ inch on 1 yard (1.5 cm on 1 m).
- The door was opened and closed 13 thousand times.
- The RodeXit strip was only marginally affected.
 - Less than 0,04 in (1 mm) was worn off.



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One more wear and tear test



DANISH
TECHNOLOGICAL
INSTITUTE

- Here is a video of another wear and tear test performed by Danish Technological Institute.
- The test was successfully passed.
- The obstacle is a 0.2 inch (5 mm) high and 10 inch (25 cm) long steel strip.



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A 27 yards roll of the rodent proofing strip measures 15.4x15.4x2.4 inches (39x39x6 cm) only

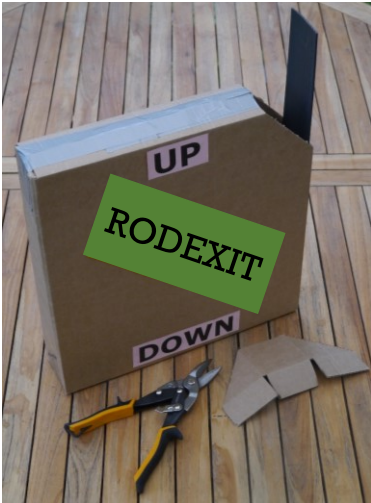
- The rodent proofing strip is easy and cheap to pack.
- It is inexpensive to transport.
- When clipping off the needed length there is no waste similar to the waste suffered when a traditional strip in a standard length such as 48 inches is shortened in order to fit e.g. a door leaf.
- The roll takes up a minimum of space
 - in a storage room or
 - in the back of a service van



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A 27 yards roll can be packed in a very handy cardboard box



After removal of the corner of the box the rodent Proofing strip can be easily drawn from the box and clipped off in the right length.

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The rodent proofing strip can be reused once

- The rodent proofing strip is quite symmetrical
 - with no upside, no downside, no frontside and no backside.
- Because of that it can be reused when it has been worn out or damaged.
- It is done simply by inverting and remounting it:
 - The former sealing section becomes the new mounting section.
 - The former mounting section becomes the new sealing section.
- That reduces the replacement costs dramatically
 - There is no need for a new replacement strip.
 - The strip is already tailored for the relevant application and that reduces the mounting time and costs.



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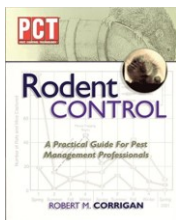
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Proofing the threshold gap of doors is the main challenge

"Most rodents that gain entry to buildings enter beneath doors that aren't rodent proofed or from doors that have been left open or ajar." *



*) Page 107 in Robert M. Corrigan:
"Rodent Control - A practical Guide For Pest Management Professionals"

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Doors particularly in need of rodent proofing

- Outer doors
 - with large threshold gaps
 - with damaged door saddles
 - e.g. door saddles gnawed by rats or mice
- Similar inner doors between
 - storerooms,
 - production facilities, and
 - salesrooms



(1¼ inch/32 mm)

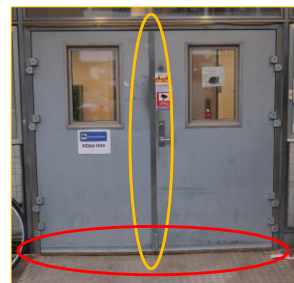


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The straight rodent proofing strip is ideal for proofing the astragal gap of double doors

- When proofing the threshold gaps of manual single and double doors
 - the wave shaped strip must be used
- When proofing the astragal gap of double doors
 - both the straight and the wave shaped strips may be used but the straight version is ideal for the purpose

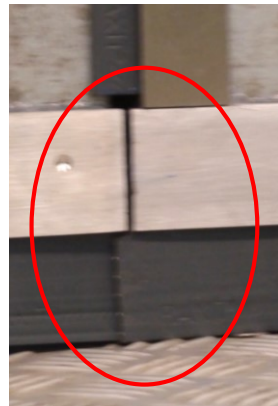


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The rodent proofing strip can cover the lower part of the astragal gap

- The pictures show how 2 horizontal rodent proofing strips can be mounted so the lower part of the astragal gap is effectively sealed.



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Adaption to the door is easy and fast and thereby labor and cost saving

- The rodent proofing strip can very easily and fast be cut in the right length with ordinary tin snips.
- As the **rodent** proofing strip is symmetrical
 - it cannot be turned upside down and
 - and it will always be turned correctly when mounting.
- Both speeds up the mounting and reduces mounting costs.



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The rodent proofing strip can be mounted

- with screws only:



OR

- with a sturdy shielding strip, which can protect the door and the proofing strip:



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Fast mounting with screws



- The rodent proofing strip can in less than 2 minutes be fitted to the door and mounted with ordinary pan head screws.
- There is a set of marks for every 4 in (10 cm) showing where to place the screws without hitting the embedded steel wires.
 - That provides for nice and fast mounting without a lot of measuring.
- The screw heads span over 2 steel wires.
 - That provides for firm mounting without the use of a shielding strip.



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Protection of the door and the proofing strip

- When rodent proofing a door it may be wise to protect the door and the rodent proofing strip against collisions from pallet lifters etc.
- It can be done by mounting the rodent proofing strip with the sturdy **RodeXit** shielding strip of stainless-steel.
- The shielding strip can be reused countless times when the rodent proofing strip or the door is to be renewed.
 - That reduces the costs.
 - It is environmentally friendly.
- The protection of the door will often prolong the lifetime of the door and thereby result in very substantial savings.



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The RodeXit shielding strip is easy to adjust



Because of the high density of predrilled screw holes in one end of the strip, it is very easy to adjust the strip to the breadth of the door leaf without having to make additional holes.

With a cordless bandsaw you can cut the shielding strip in less than 20 seconds.



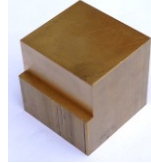
< 20 seconds

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The RodeXit mounting block provides easier and faster horizontal mounting on the bottom of door leaves

- The mounting block is a small 17 oz (½ kg) heavy block of brass with a tailored profile.
- During mounting the block secures the position of the proofing strip and the mounting strip by holding
 - the proofing strip up against the door leaf and
 - the mounting strip 0,9 in (22 mm) above the ground and up against the proofing strip.
- That frees both hands for fastening the screws.



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Use of 27 yards (25 m) long straight strips for rodent proofing a fence



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Use of 27 yards (25 m) long straight strips for rodent proofing a building



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Use of 27 yards (25 m) long straight strips for rodent proofing an enclosure



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The rodent proofing strip can very easily and fast be adapted to irregular surfaces

You can do it with ordinary tin snips



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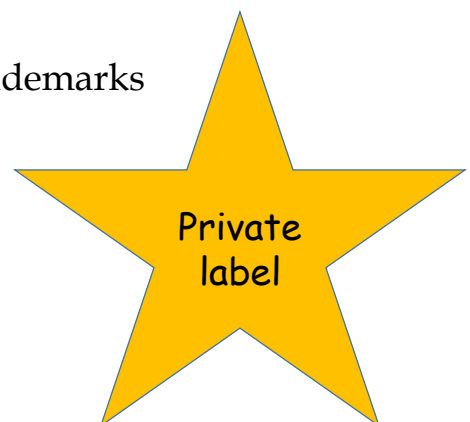
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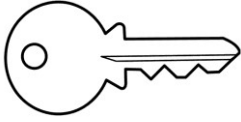
Private label possibilities

- Major customers can have their own trademarks stamped into:
 - the **RodeXit** rodent proofing strips
 - the **RodeXit** stainless steel mounting strips
 - the **RodeXit** brass mounting blocks

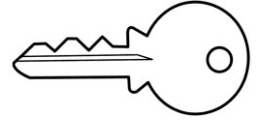


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Key points



- The **RodeXit** products are about to revolutionize the noble art of rodent proofing.



- They will contribute significantly to your bottom line, if you seize the opportunity to be one of the first to include them in your business strategy.



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