

February 12, 2021

I recently replaced the rubber seal at the bottom of my hangar door.

Actually, I had replaced the seal about 2.5 years ago with a neoprene material. Unfortunately, the neoprene started to crack and break due to UV exposure as well as relatively high temperatures in the direct summer sun.

Additional research and information from the supplier led me to EPDM as a replacement product. This material is used for, among other things, roofing material for flat roofs.

From WIKIPEDIA:

Rubbers with saturated polymer backbones, such as EPDM, have much better resistance to heat, light and ozone than unsaturated rubbers such as [natural rubber](#), [SBR](#) or [polychloroprene](#) (Neoprene). As such, EPDM can be formulated to be resistant to temperatures as high as 150 °C, and, properly formulated, can be used outside for many years or decades without degradation. EPDM has good low temperature properties, with elastic properties to temperatures as low as -40 °C depending on the grade and the formulation.

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For my hangar door, I needed a piece 12 inches wide by 50 feet long. This is rolled into a tear-drop shape and then installed. The thickness of the old neoprene material was 0.062 inches. The EPDM is 0.060 inches. Not significant in this application.

The 50 foot length is priced at about US\$100.00 plus shipping. The same material and size can be used for the skirt at the top of the door if desired.

SUPPLIER:

American Material Supply  
65 James Town Road  
Shippensburg, PA 17257

717-496-3147

Ask for Eric.

I purchased the necessary hardware from Daytona Bolt and Nut (386-255-0248) (815 North Beach Street, Daytona Beach)

This included:

100	SBW.08-10	#8-#10 Stainless Bonded Washer with NEO 1/2" outside	\$6.90
100	4HD.100100	#10 x 1" 410 Stainless Hex Self Drill Screws	\$10.50

This is enough for the bottom seal. Order another 100 pieces if doing the skirt at the top of the door.

These length screws were perfect for my door. Other people may have a requirement for different length screws.

When forming the bottom seal, I also used the following items:

HOME DEPOT: Everbilt 3/4 inch x 6 foot foam semi-slit pipe insulation (9 pieces) \$1.70/piece  
(These go inside the teardrop to help it retain shape.)

XFASTEN Double Sided Carpet Tape (2 inches x 20 years) AMAZON: \$11.97

(This holds the teardrop in shape while installing it on the door. You use about 3 inches every 2-3 feet.)

Several years ago I installed a rubber strip on the concrete just outside the hangar where the hangar door touches the ground when closed. The product that I used was "Sensible Solutions 3020 Storm Shield 20-Foot Garage Door Threshold." The "3020" is a 20 foot length and the "3010" is a 10 foot length. I ordered 2 x 20 and 1 x 10. These are available on Amazon at \$31.90 for the 10 foot and \$49.90 for the 20 foot length. The appropriate glue to adhere this to the surface comes with the product.

The advantages of putting this down include:

1. The hangar door seal on the door is not rubbing against concrete causing abrasion.
2. The seal between the hangar door and the ground is better.

I hope that the following information is useful. If anyone has questions, please feel free to pass them my contact information for assistance.

Best regards,

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