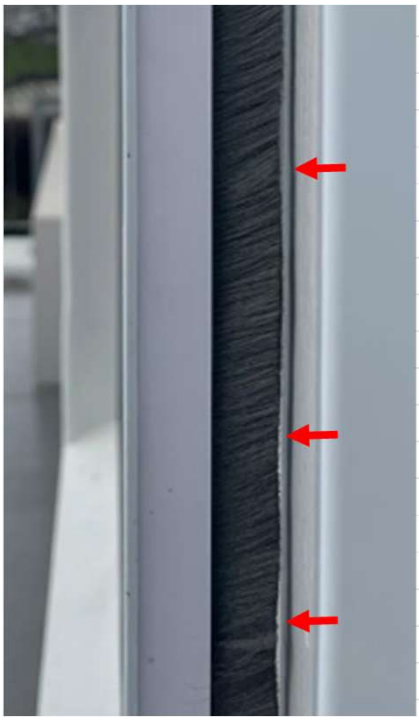
Possible gap between the Magniscreen woolpile and the window frame.

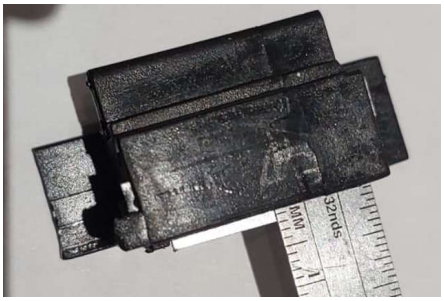
The screens are designed to eliminate any gap between the woolpile and the window frame. However, you may notice a slight gap between the woolpile and the frame.

The woolpile is intentionally made 1 mm longer than the magnet holder to compensate for the approx. 1.5 mm gap created by the Chromadek bracket (0.8 mm thick) and the adhesive layer.





1. Woolpile Compression: During packaging, the Woolpile may be compressed, losing its original form. Once exposed to sunlight or heat, it will gradually return to its intended shape. Moisture, such as water or steam, can also help restore its form faster.



Retainer Plate Movement: The retainer plates at the bottom of the magnet holder have a 2 mm tolerance. When pressure is applied to the screen near the magnets, the retainer plates shift inward, closing the gap between the Woolpile and the window frame.

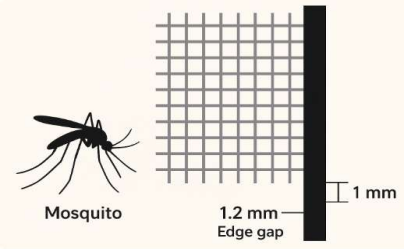
Window Frame Irregularities: In many cases, window frames are not perfectly flush. Since the aluminium profiles of the screens have some flexibility, they can be slightly bend/ realigned toward the Window frame to close any gaps.

Acceptable Gap Explanation:

Even if there is still a small gap of 1–2 mm, it is completely acceptable. The screen mesh we use is internationally known as a 16 x 18 mesh, which means there are 16 x 18 openings per inch — each opening measuring approximately 1.3 mm x 1.5 mm.

If these mesh openings are small enough to keep mosquitoes out, then a similar gap on the window frame will also not allow insects to pass through.

Please see the diagram showing the comparison between mosquito size and the screen mesh.



In South Africa, most common mosquitoes are 3–6 mm in body length, with wingspans of about 2–4 mm.

Smaller species (like Culex or Aedes) are about the size of a grain of rice.

Larger species (like Anopheles, which can transmit malaria in some areas) are closer to the size of a sunflower seed.

We hope this reassures you that both the mesh openings and a small gap of 1–2 mm are too small for mosquitoes/flies to pass through.

MAGNI SCREEN
magnetic insect screens