Application No. 693: Mosquito tent

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Mosquito versus magnet

Our mosquito tent

There are a lot of mosquitoes in our Greek neighbourhood, and we grew tired of having to hide inside the house all the time. So, we built a "mosquito tent" using steel, wood, rope, netting and magnets.

The frame

Two vertical steel beams serve as posts. We fastened them to the ground with metal braces and to the railing with ropes. We also mounted a steel beam on the façade. Next, we strung ropes from the façade beam to the steel posts, threading them through downwards before tying them off. Lastly, we draped a large mosquito net over the structure.

The magnets

And then it was time for the magnets: We used them to attach the netting to each steel beam and the balcony railing. All in all, we needed 50 disc magnets (www. supermagnete.de/eng/S-12-03-N). On the ground, we use slats to hold the net in place.

The exit

We built a wooden frame to use as an exit door for our tent (visible in the picture towards the back on the right). As a cover, we stretched a separate net over the frame.

Similar projects

We also have other projects dealing with "protection from insects" (www.supermagnete.de/eng/projects/fly_screen). In addition, the project "Attach a cat net without drilling" (www.supermagnete.de/eng/project372) shows a similar net construction to safeguard larger animals.

Alternative magnets

Neodymium magnets will start to rust during prolonged outdoor use. The only exception are rubber-coated neodymium magnets (www.supermagnete.de/eng/group/rubber_coated) which are completely water-resistant. So in this case, the net could have also been attached with rubber-coated discs S-15-08-R (www.supermagnete.de/eng/S-15-08-R).

Articles used
50 x S-12-03-N: Disc magnet Ø 12 mm, height 3 mm (www.supermagnete.de/eng/S-12-03-N)

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