

Application No. 780: Arts & Crafts with bottle caps

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Two versions of bottle cap magnets

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Bottle caps with magnetic sheet

We show you an application with self-adhesive magnetic sheet and individual insides. Such bottle caps don't have a strong adhesive force, but they can still hold up a postcard on a magnetic board and are not dangerous. Even children can make them.

Material used

- self-adhesive magnetic tape MT-30-STIC (www.supermagnete.de/eng/MT-30-STIC) (alternatives: self-adhesive magnetic sheet MS-A4-STIC (www.supermagnete.de/eng/MS-A4-STIC) or self-adhesive magnetic dots (www.supermagnete.de/eng/group/takkis))
- Bottle caps
- Photos or thick decoration paper
- Scissors, marker, adhesive (e. g. PVAC glue)



Instructions

Step 1

Trace the outline of the bottle cap on the coated side of the self-adhesive magnetic tape and the desired photo with a marker.



Step 2

Cut the traced circles on the picture and magnetic tape with scissors.



Step 3

Remove the protective foil and press the magnetic tape firmly onto the outside of the bottle cap.



Step 4

Glue the cut-out photo to the inside of the bottle cap. Let it dry and then you can attach the bottle cap magnet to a magnetic surface.

The adhesive force of the magnetic sheet is sufficient to hold up a card or note on the fridge. If that is not enough, you can glue thin round neodymium magnets (e.g. S-10-01-STIC (www.supermagnete.de/eng/S-10-01-STIC)) on it to make the bottle caps stronger. The adhesive has to dry for a long time (at least 24 hours) while the magnetic sheet can be used on the fridge right away.



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Bottle cap with disc magnets

Addition from customer Thomas Westphal, Berlin (Germany):

There is one thing I always get upset about: The magnets that come with whiteboards (www.supermagnete.de/eng/group/whiteboards) or magnetic boards (www.supermagnete.de/eng/group/magnetboards) are usually so weak that gravity takes over when you try to pin several pieces of paper together. The solution for this problem was clear: I needed stronger magnets. I quickly found what I was looking for at supermagnete.de and ordered 20 disc magnets 10 x 10 mm (www.supermagnete.de/eng/S-10-10-N).

These possessed the desired holding power, but were hard to handle. Removing them from the magnetic board was difficult because the magnets were so small and hard to grasp. Then I had the idea of glueing the magnets into old crown caps with a strong adhesive.

I went to the hardware store and bought a can of polyester resin and sealed the magnets in the crown caps. I used a metal mat underneath so the magnets would stick to that instead of the polyester resin can.

I used the following material:

- Crown caps
- Disc magnets S-10-10-N (www.supermagnete.de/eng/S-10-10-N)
- a can of polyester casting resin

After the hardening, the casting resin was a little sticky and attracted all sorts of dust, but that didn't hurt its functionality.

Finally, I have magnets that look good, can easily hold 20 DIN A4 sheets and document the drinking habits of their owner. Since I have the crown cap magnets, the applications are manifold. They hold on to nails and screws or fasten the tablecloth on the garden table. However, it's best to place the magnets somewhat hidden; otherwise people might mistake the crown caps for garbage and throw them away.



Articles used

MS-A4-STIC: Self-adhesive magnetic sheet (www.supermagnete.de/eng/MS-A4-STIC)

MS-TAKKI-04: Takkis round 10 mm (www.supermagnete.de/eng/MS-TAKKI-04)

MS-TAKKI-05: Takkis round 20 mm (www.supermagnete.de/eng/MS-TAKKI-05)

S-10-10-N: Disc magnet Ø 10 mm, height 10 mm (www.supermagnete.de/eng/S-10-10-N)

MT-30-STIC: Magnetic adhesive tape ferrite 30 mm (www.supermagnete.de/eng/MT-30-STIC)

Online since: 25/01/2016

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