TECHNICAL DATA SHEET
SYSTEXX Active Magnetic M22
Magnetically Active glass fleece

Properties / Typical application

The back of SYSTEXX Active Magnetic M22 glass fleece has a metallic coating. Standard, commercially available magnets therefore adhere directly to the wall covering. SYSTEXX Active Magnetic M22 is applied using conventional wall adhesive techniques.

All the SYSTEXX wall coverings are flame retardant in accordance with DIN EN 13501-1:2010, and meet Class B-s1, d0. Thanks to its high quality, SYSTEXX Active Magnetic M22 meets Oeko-Tex Class 1. The fleece does not affect cell phones or WLAN signals. It is not conductive.

With SYSTEXX Active Magnetic M22, interior walls quickly and easily become presentation areas – without any rails, panels or magnetic paints. The advantage: the general appearance of the room is not affected – and even repeated applications of paint, such as with magnetic paint, are not necessary. In addition, you can also coat the magnetically - active surface with Milacor whiteboard finish, which quickly transforms it into a magnetically active whiteboard suitable for repeat use with whiteboard markers, e.g. Edding 250. Of course, it can also be used as a presentation wall.

Technical Parameters / Roll Style

Product	SAP designation	Approx. Weight in g/m²	Approx. Width in cm	Lengths in m	Pattern Repeat cm	
SYSTEXX Active **Magnetic M22** Incl. 10 conical magnetic pins	GV 200 MG 10,4m	1540	95	10.40	--→|0	free match
SYSTEXX Active **Magnetic M22** Incl. 5 conical magnetic pins	GV 200 MG 5,2m	1540	95	5.2	--→|0	free match
SYSTEXX Active **Magnetic M22** Incl. 2 conical magnetic pins	GV 200 MG 2,6m	1540	95	2.6	--→|0	free match

Substrate preparation

The substrate must be dry, clean, smooth and stable. Remove old wall coverings and unstable coatings. Smooth any stable substrates that are rough or uneven; fill any holes with filler. Ideally the substrate is to be prepared in such a way that any imperfections such as extra graininess or small uneven locations can largely be avoided. Marks left by preparation work should be ≤ 1 mm. Achieve this by treating the surface with a smoothing plaster or smoothing pass over a large area. Porous substrates should first be treated with a suitable primer. Remove any mould or fungus, and treat according to the relevant guidelines (Substrate preparation is described in more detail in the "Substrate / Preparation" table).

Application

Important for all products
Do not apply when the temperature of the room or wall is less than +8 °C. Only use products with the same serial number on adjacent surfaces (printed on the outside of the box). Sheet length = all / ceiling measurement plus 5 – 10 cm. Cut off the excess cleanly.

Important for SYSTEXX Active Magnetic M22
Always roll SYSTEXX Active Magnetic M22 in the direction in which it was rolled; never bend or roll it in the other direction. The visible side will be damaged if it is rolled up the wrong way!

1. Application with adhesive for SYSTEXX Active Magnetic M22

Apply sufficient latex adhesive with a paint roller or airless spray gun evenly to the wall over a width of 1–2 sheets. Observe the adhesive manufacturer's instructions for application. At normal room temperature (18 °C) the drying time is 24 hours.

2. Paste with butt-join

The fabric edges must be butted tightly at the seam. Hang the new length so that it overlaps the previous length by just 1 mm. Then gently push back the fleece edge until the edges of the two lengths form a butt joint. Firmly smooth down the second length pushing out any air bubbles.

3. Press on and cut off

Apply enough pressure with a wallpapering squeegee over the whole area to remove bubbles. Push the excess carefully into the corners and trim it off along the edges of the wallpapering squeegee or cutting ruler using a sharp-bladed cutter.

Applying to outer corners: it is not possible to apply SYSTEXX Active Magnetic M22 continuously around corners. For corners, SYSTEXX Active Magnetic M22 has to be cut. We recommend the use of wallpaper corner profiles here!

4. Coating

We recommend using high-quality dispersion paint or Milacor whiteboard finish. Surfaces covered with a matt finish are likely to show signs of wear from the use of magnets.

1st coat: apply the paint evenly after the product has fully dried. Observe the paint manufacturer's instructions for application.

2nd coat: only do this after the 1st coat of paint has fully dried.
Use the thickest coating you can for SYSTEXX Active Magnetic M22 (wet abrasion class 1). Even as many as eight additional coats do not have a negative effect on the magnetic action.

Adhesive consumption: 200 – 310 g / m^2

Paint consumption: 270 – 310 g / m^2 for 2 coats

The quantity required depends on the fabric structure and on the substrate. You will need to determine accurate values to allocate applications to the building. Similarly, please also observe the technical data sheets for those products that will also be used.

Coating according to degree of gloss

Desired topcoat	Required basecoat
Matt	------
Semi-gloss - Eggshell - Satin	**Semi-gloss** - Eggshell - Satin
Gloss - High gloss	**Gloss** - Satin - High gloss

Substrate	Preparation
Exposed concrete	1. De-burr roughly 2. Fill holes and cracks, smooth and level substrate with a suitable filling material 3. Sand and prime
Porous concrete, Filigran concrete	1. Clean (abrade and smooth down) 2. Fill holes and cracks, smooth and level substrate with a suitable filling material 3. Sand and prime
Sandy plaster	1. Sand down (remove loose sand corn) 2. Stabilize substrate with a suitable primer 3. Fill holes and cracks, smooth and level substrate with a suitable filling material 4. Sand and prime
Course textured plaster	1. De-burr roughly 2. Fill holes and cracks, smooth and level substrate with a suitable filling material 3. Sand and prime
Absorbent plaster (e. g. stucco)	1. Apply a suitable primer 2. Fill holes and cracks, smooth and level substrate with a suitable filling material 3. Sand and prime
Normal plaster	1. Fill holes and cracks, smooth and level substrate with a suitable filling material 2. Sand and prime
Peelable / Stripable wallpaper Scrap wallpaper (e.g. woodchip)	1. Remove wallpaper entirely 2. Fill holes and cracks, smooth and level substrate with a suitable filling material 3. Sand and prime
Peeling / Flaking paint coating	1. Remove all loose flakes 2. Sand and prime the area 3. Fill holes and cracks, smooth and level substrate with a suitable filling material 4. Sand and prime
Distemper coatings (e.g. cellulose)	1. Remove completely by scraping/washing off 2. Prime with suitable keying primer 3. Fill holes and cracks, smooth and level substrate with a suitable filling material 4. Sand and prime
Glossy paint coatings	1. Sand until there is a matt finish 2. If necessary, apply a keying primer
Glass fabric	1. Smoothen and level out fabric structure with a suitable filling material (prevents the formation of stripes in the texture) 2. Sand and prime

Plasterboard panels	1. Fill joints and screw holes in accordance with current plasterboard specifications 2. Sand and prime
OSB panels, wood, Hardboard	1. Insulate/seal surface with suitable primer 2. Fill joints and screw holes with suitable filling material 3. Sand and prime
Ceramic tiles	1. Clean and degrease the tiles 2. Apply bonding agent (undercoat/primer for ceramic and glass) 3. Fill and level whole surface with a suitable filling material 4. Sand and prime
Rusty steel surfaces	1. Remove rust as per DIN 55928 PST 2-3 or ST 2-3 2. Apply a suitable anti-corrosive primer
Bleeding surfaces (e.g. waterstains)	1. Insulate bleeding areas with a suitable primer 2. Fill holes and cracks, smooth and level substrate with a suitable filling material 3. Sand and prime
Nicotine and soot deposits	1. Treat with an insulating protective layer

Important

Complaints made after more than 10 sheets have been laid cannot be accepted.

Storage

Store the rolls in a dry, clean place.

General notes

1. Since this data sheet cannot deal with every possible problem that can occur in actual practice, liability cannot be assumed from it. In every case, the user is obliged to assess the application professionally in the light of the suitability of the product and of the substrate. Please observe applicable regional building codes. In case of doubt, the technical application consultation service of Vitrulan Textile Glass GmbH should be contacted.

2. Use of glass fibers can disturb the top layer of skin which can lead to irritations in sensitive people. Substances which can cause allergies or are even questionable are not used. This is confirmed for SYSTEXX by the Oeko-Tex certification of its suitability for people who suffer from allergies.