

# TECHNICAL DATA SHEET

## SYSTEXX Active Magnetic M39

Innovative glass fabrics for walls and ceilings

### Properties / Typical application

The back of SYSTEXX Active Magnetic M39 glass fabric has a metallic coating. Standard, commercially available magnets therefore adhere directly to the wall covering. SYSTEXX Active Magnetic M39 is applied using conventional wall adhesive techniques.

The SYSTEXX Active Magnetic M39 wall covering is woven of glass yarn, and combines the outstanding technical properties of the SYSTEXX products with a special, supplementary function for special room uses. It is a particularly good example of the level of innovation embodied in SYSTEXX by Vitrulan.

All the SYSTEXX wall coverings have brand certification in accordance with DIN EN 13501-1:2010, and meet Class B-s1, d0. Thanks to its high quality, SYSTEXX Active Magnetic M39 meets Oeko Tex Class 1. The fabric does not affect cell phones or WLAN signals. It is not conductive.

With SYSTEXX Active Magnetic M39, 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 / m <sup>2</sup>	Approx. Width in cm	Lengths in m	Pattern Repeat cm
SYSTEXX Active <b>Magnetic M39</b> Incl. 10 conical magnetic pins	GG 139 #A PG MG 10,4m	1470	95	10,4	→ 0 free match
SYSTEXX Active <b>Magnetic M39</b> incl. 5 conical magnetic pins	GG 139 #A PG MG 5,2m	1470	95	5,20	→ 0 free match
SYSTEXX Active <b>Magnetic M39</b> incl. 2 conical magnetic pins	GG 139 #A PG MG 2,6m	1470	95	2,60	→ 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 = wall / ceiling measurement plus 5 – 10 cm. Cut off the excess cleanly.

### Important for SYSTEXX Active Magnetic M39

Always roll SYSTEXX Active Magnetic M39 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 M39

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. Avoid differences in texture

Never paste the product upside down or inside out. The marking on the back provides orientation. When glued, the distance between the marking on the back is 1 m from one sheet to the next.

### 3. Paste with butt-join

The sheets must have very good contact near the seams. At first the new length is laid with just 1 mm overlap on the previous length.

The woven edge of the new length is then pushed back far enough for the edges to be butted closely together. Press the second length down to avoid bubbles.

### 4. 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 M 39 continuously around corners. For corners, SYSTEXX Active Magnetic M39 has to be cut. We recommend the use of wallpaper corner profiles here!

## 5. 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 M39 (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<sup>2</sup>

Paint consumption: 270 – 310 g/m<sup>2</sup> 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
<b>Matt</b>	-----
<b>Semi-gloss</b> - Eggshell - Satin	<b>Semi-gloss</b> - Eggshell - Satin
<b>Gloss</b> - High gloss	<b>Gloss</b> - Satin - High gloss

<b>Substrate</b>	<b>Preparation</b>
<b>Exposed concrete</b>	<ol style="list-style-type: none"> <li>1. De-burr roughly</li> <li>2. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>3. Sand and prime</li> </ol>
<b>Porous concrete, Filigran concrete</b>	<ol style="list-style-type: none"> <li>1. Clean (abrade and smooth down)</li> <li>2. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>3. Sand and prime</li> </ol>
<b>Sandy plaster</b>	<ol style="list-style-type: none"> <li>1. Sand down (remove loose sand corn)</li> <li>2. Stabilize substrate with a suitable primer</li> <li>3. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>4. Sand and prime</li> </ol>
<b>Course textured plaster</b>	<ol style="list-style-type: none"> <li>1. De-burr roughly</li> <li>2. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>3. Sand and prime</li> </ol>
<b>Absorbent plaster</b> (e. g. stucco)	<ol style="list-style-type: none"> <li>1. Apply a suitable primer</li> <li>2. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>3. Sand and prime</li> </ol>
<b>Normal plaster</b>	<ol style="list-style-type: none"> <li>1. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>2. Sand and prime</li> </ol>
<b>Peelable / Stripable wallpaper</b> <b>Scrap wallpaper</b> (e.g. woodchip)	<ol style="list-style-type: none"> <li>1. Remove wallpaper entirely</li> <li>2. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>3. Sand and prime</li> </ol>
<b>Peeling / Flaking paint coating</b>	<ol style="list-style-type: none"> <li>1. Remove all loose flakes</li> <li>2. Sand and prime the area</li> <li>3. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>4. Sand and prime</li> </ol>
<b>Distemper coatings</b> (e.g. cellulose)	<ol style="list-style-type: none"> <li>1. Remove completely by scraping/washing off</li> <li>2. Prime with suitable keying primer</li> <li>3. Fill holes and cracks, smooth and level substrate with a suitable filling material</li> <li>4. Sand and prime</li> </ol>
<b>Glossy paint coatings</b>	<ol style="list-style-type: none"> <li>1. Sand until there is a matt finish</li> <li>2. If necessary, apply a keying primer</li> </ol>
<b>Glass fabric</b>	<ol style="list-style-type: none"> <li>1. Smoothen and level out fabric structure with a suitable filling material</li> </ol>

	(prevents the formation of stripes in the texture)
	2. Sand and prime
<b>Plasterboard panels</b>	1. Fill joints and screw holes in accordance with current plasterboard specifications 2. Sand and prime
<b>OSB panels, wood, Hardboard</b>	1. Insulate/seal surface with suitable primer 2. Fill joints and screw holes with suitable filling material 3. Sand and prime
<b>Ceramic tiles</b>	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
<b>Rusty steel surfaces</b>	1. Remove rust as per DIN 55928 PST 2-3 or ST 2-3 2. Apply a suitable anti-corrosive primer
<b>Bleeding surfaces</b> (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
<b>Nicotine and soot deposits</b>	1. Treat with an insulating protective layer

## Important

In spite of strict quality controls, the nature of production means that small faults can occur. These are marked at the edge of the material, and compensated for by an additional 0.5 meter length. Complaints made after more than 10 sheets have been laid cannot be accepted.

## Storage

Store the rolls in a dry, clean place.

## General information

- 1.) Certain sensitive individuals may find that handling glass fiber irritates their skin. SYSTEXX is tested to Öko-Tex standards to ensure that it is free from allergenic and harmful substances.
- 2.) The glass staple fiber yarns / Sliver is manufactured in such a way that irregularities are clearly visible in the surface pattern of fabrics made from it. This visual effect is deliberate and does not constitute grounds for complaint.
- 3.) This information sheet does not claim to address every problem that may occur in practice. Therefore no obligation or liability may be derived from it. Users are obliged to use their professional judgment to assess the application based on the product's suitability and the substrate. Please comply with the relevant national building regulations. In case of doubt, please contact the technical advisory service at Vitrolan Textile Glass GmbH.