

TECHNICAL DATA SHEET

SYSTEXX Active Magnetic Whiteboard | shiny / matt

Innovative glassfibre wall covering offering unlimited creative power

Usage

SYSTEXX Active Magnetic Whiteboard is available with a matt or glossy whiteboard surface to jot down ideas, leave a note for your colleagues or a short message for your better half. The whiteboard surface can be written on and wiped clean again and again. Furthermore, this innovative glassfibre wall covering comes with a metallic coating which is applied evenly to the back side. Thus, standard commercially available magnets adhere directly to the whiteboard surface. Ideas need space – and the greater the creativity, the more space is needed!

With SYSTEXX Active Magnetic Whiteboard, interior walls quickly and easily become presentation areas – without any rails, panels or magnetic paints. The advantage: When not used, it blends almost invisibly into the overall design of the room – and even repeated applications of paint, such as with magnetic or whiteboard paint, are not necessary. SYSTEXX Active Magnetic Whiteboard is also suitable for transforming walls into projection screens (not for home cinemas).

Note: Despite all due care, we cannot test the functions in all room situations and with all projector types. For this reason, we recommend excluding any possible glare effects before applying the whiteboard surface. Basically, it should be noted that projectors attached to the ceiling tend to be more dazzling than devices placed on a table.

Properties

SYSTEXX Active Magnetic Whiteboard wall coverings are classified flame-retardant according to DIN EN 13501-1:2010 and fulfill the requirements of class C-s1, d0. Thanks to their high quality, they meet Oeko-Tex Class 1. Due to their very low VOC emissions, these wall coverings achieve class A+ “d’émissions dans l’air intérieur”. They do not affect cell phones or WiFi signals and are not conductive. SYSTEXX Active Magnetic Whiteboard wall coverings are applied using conventional wall adhesive techniques.

Technical data / roll dimensions

| Product | SAP designation | approx. Weight in g/m ² | approx. Width in cm | Length in m | Pattern repeat |
|---|---|--|---------------------------|----------------|----------------|
| SYSTEXX Active Magnetic Whiteboard shiny/matt incl. spatula & microfibre cloth | GV 200 MG WB 10,4m / GV 200 WBM 10,4m | 1710 | 95 | 10,4 | → 0 free match |
| SYSTEXX Active Magnetic Whiteboard shiny/matt incl. microfibre cloth | GV 200 MG WB 5,2m / GV 200 MG WBM 5,2m | 1710 | 95 | 5,2 | → 0 free match |
| SYSTEXX Active Magnetic Whiteboard shiny/matt incl. microfibre cloth | GV 200 MG WB 2,6m / GV 200 MG WBM 2,6m | 1710 | 95 | 2,6 | → 0 free match |

Substrate preparation

Substrates should be dry, clean, smooth and stable. Remove old wall coverings and unstable paints and finishes, sand down high-gloss paints to obtain a key and apply a suitable adhesion promoter. Sand down stable but rough/uneven substrates. Fill cracks/ holes with a levelling compound. The substrate must be prepared in such a way that the smallest unevenness are avoided, e.g. grains of sand, grain accumulations, etc. Processing marks may have a maximum width and height of 1 mm. If necessary, rework the surface over a large area with a smoothing plaster or in a smoothing step. Pretreat absorbent substrates with a suitable primer. Remove any mold growth and treat in accordance with the relevant regulations.

More details are to be found in the table "Substrate / Preparation".

Application

1. Application with adhesive

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 application notes. Not suitable for wall papering devices. At normal room temperature/climate (18 °C, 60 %) the drying time is 24 hours. When applying under extreme climatic conditions (high humidity, high temperatures), the duration can change significantly. **Note:** In the case of non-absorbent substrates, a test application should be carried out, e.g. on a plexiglas plate, in order to determine the drying time.

Note: The magnets should not be used until the adhesive is completely dry (allow approx. 48 hours).

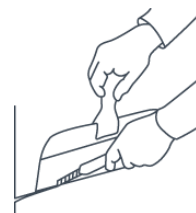
Adhesive consumption: 150 – 220 g/m²
The consumption quantity depends on the substrate.

2. Butt-joining

Make sure that the edges butt up smoothly where one length joins another. To do this, first place the new sheet on the previous sheet with an overlap of almost 1 mm and then push the edge of the new sheet back until the edges are flush with each other. Any adhesive left on the front of the fabric should be removed immediately with a damp clean cloth or sponge.

3. Pressing on and trimming

The set includes both a wallpaper spatula and a microfiber cloth. Wrap the spatula into the microfiber cloth (which is also recommended for cleaning) and press down firmly across the entire length, smoothing out any air bubbles. Carefully press overlapping fabric into the corners and cut sharp knife, using a wallpaper spatula or cutting ruler as a guide.



Note: Do not use standard wallpapering tools to apply SYSTEXX Active Magnetic Whiteboard. They may damage the whiteboard surface. Functionality might be impaired in damaged areas.

A continuous processing over outside corners is not possible with SYSTEXX Active Magnetic Whiteboard. Cutting is obligatory at corners and edges. The use of a corner bead is recommended.

4. Basic cleaning after application

After the adhesive has dried thoroughly, carefully clean the surfaces with soapy water. Do not use any sharp-edged or abrasive wiping aids to avoid scratches or damage to the surfaces.

5. Cleaning after use

Wipe dry with the supplied microfiber cloth. If necessary, clean with common whiteboard sprays or water if the writing cannot be removed completely.

Do not use dirt erasers to avoid damaging the surface.

SYSTEXX Active Magnetic Whiteboard is resistant to common household solvents, such as alcohol, turpentine and white spirit. This means that permanent markers can also be removed. However, this should only be used in exceptional cases.

Cleaning with disinfectants is also possible, e.g. with Meliseptol Foam pure, Bacillol 30 Foam, Incidin Plus, Mikrobac forte, Kohrsolin FF, Dismozon plus, Sterillium, Sterillium med, Sterillium Virugard, Sterillium classic pure, Mikrobac Tissues, Bacillol 30 Tissues, Bacillol AF.

5.1. Recommended pens

Only use commercially available whiteboard markers, as products with a hard point could damage the surface.

5.2. Recommended use of magnets

Lift adhering magnets to move them, do not push them! Any adhering dirt particles will damage the surface.

5.2. SYSTEXX accessories

The SYSTEXX Cleaning Set includes whiteboard markers, a microfibre cloth for dry cleaning and a cleaning spray to effortlessly remove old labels and stubborn dirt.

6. Revision possible

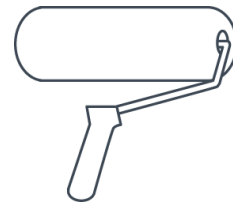
In principle there is no need to revise the surface of SYSTEXX Active Magnetic Whiteboard, but it is possible. The magnetic holding power is retained even after revision.

To revise the surface, first sand the white top layer with fine-grain sandpaper (P220). Fill in damaged areas in advance with a 2K fine spatula and dust off the entire surface. This prepared surface is to be coated with a water-based synthetic adhesion promoter – Observe the manufacturer's instructions! After the adhesion promoter has dried completely, the surface can be treated with commercially available water-based coatings. The use of a high-quality dispersion paint in wet-abrasion class I is recommended. All gloss levels can be used, but note that with matt colors the magnets might leave signs of abrasion. Alternatively, use SYSTEXX Whiteboard Finish Milacor for coating to get a Whiteboard surface again. A test coating is recommended in advance.

Even up to eight coats of paint do not have a negative effect on the magnetical active surface.

1st coat: Apply the coating evenly once the adhesion promoter has completely dried. Follow the paint manufacturer's instructions.

2nd coat: Wait until the first coat is completely dry before applying the second coat.



Recommended quantity: 270 – 310 g/m² for two coatings.

The coating quantity depends on the paint and substrate as well as the level of gloss required and whether the surface is subject to heavy use. Determine exact values by means of a test application on the object. For further information, please refer to the technical data sheets of all products used.

Paint application according to level of gloss

| Desired top coat | Required base coat |
|-------------------|--------------------|
| Matt | Matt |
| Semi Gloss | Semi Gloss |
| - Matt-finish | - Matt-finish |
| - Satin-finish | - Satin-finish |
| Gloss | Gloss |
| - High gloss | - Satin |
| | - High gloss |

Important notes

1. Storage

Store the rolls in a dry, clean place and, if possible, wrapped in foil and closed.

2. Handling

- a) Do not apply with room and surface temperatures below +8 °C. Always check to make sure that the batch numbers are the same when applying the wall covering to adjacent areas (see information on outside of box or roll inlay). One drop = wall/ceiling height plus 5 – 10 cm. Trim off the excess neatly.
- b) To **avoid damage to the visible side**, always roll in the winding direction, never bend or roll in the opposite direction and avoid buckling.
- c) The area surrounding the surface to be pasted with Systexx Active Magnetic Whiteboard must be clean and dust-free. Due to the build-up of **static charge** on the product, particles deposit on the visible side and **can cause irreparable damage** when pressed on the wall.

3. General information

- a) Complaints made after more than 10 drops have been hung cannot be accepted.
- b) The use of glass fibers can irritate the upper layers of the skin, which can lead to irritation in sensitive people. Allergy-causing or even questionable substances are not used, which is confirmed by the Oeko-Tex certification.
- c) Since wallcovered surfaces depict a craftsmanship, completely homogeneous surfaces without small irregularities cannot be achieved. A visual perception of the wallcovering sheets and seams is product-specific and unavoidable. Also, "invisible" seams are not feasible from all conceivable angles. The assessment after application has to be carried out under customary conditions, in particular in daylight and normal ceiling/room lighting perpendicular to the surface while maintaining a normal viewing distance and viewing angle. For the assessment, artificial lighting to make minor irregularities visible are just as inadmissible as the evaluation in grazing light conditions that only occur at certain times of the day or the use of aids such as magnifying glasses.
- d) If light effects (e.g. grazing light) might influence the appearance of the finished surface, undesirable effects (e.g. changing shades on the surface) should be largely avoided. They cannot be completely ruled out, as light influences vary a lot and cannot be clearly detected and evaluated (e.g. in natural light). In principle, the lighting conditions, as they are intended for later use, must be known and should already be present at the time of the application. Before application, an assessment of possible undesirable effects should be made. In addition, the limits of craftsmanship on the construction site must be taken into account. Wallcovered surfaces which appear absolutely flat and shadow-free even under the influence of grazing light are not executable.
- e) 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 Vitrulan Textile Glass GmbH.

Substrate Preparation

| Substrate | Preparation |
|---|---|
| Exposed concrete | <ol style="list-style-type: none"> 1. De-burr roughly 2. Fill holes and cracks sufficiently 3. Sand and prime |
| Poured concrete, filigree concrete | <ol style="list-style-type: none"> 1. Clean (abrade and smooth down) 2. Fill holes and cracks, smooth and level with a suitable filling material 3. Cover and smooth the entire surface 4. Sand and prime |
| Sanding plaster | <ol style="list-style-type: none"> 1. Sand down (remove loose sand) 2. Stabilize substrate with a suitable primer 3. Fill holes and cracks, smooth and level with a suitable filling material 4. Sand and prime |
| Course textured plaster | <ol style="list-style-type: none"> 1. De-burr roughly 2. Fill holes and cracks, smooth and level with a suitable filling material 3. Sand and prime |
| Very absorbent plaster (e.g. gypsum plaster) | <ol style="list-style-type: none"> 1. If necessary, skim the entire surface and smooth off 2. Sand and prime |
| Standard plaster | <ol style="list-style-type: none"> 1. Fill holes and cracks, smooth and level with a suitable filling material 2. Sand and prime |
| Lining paper, size or sealer | <ol style="list-style-type: none"> 1. Dampen the lining paper, size, or sealer to loosen it 2. Scrape it off 3. If necessary, skim the entire surface and smooth off 4. Sand and prime |
| Peelable / stripable wallpaper Scrap wallpaper (e.g. cellulose) | <ol style="list-style-type: none"> 1. Remove wallpaper entirely 2. Fill holes and cracks, smooth and level with a suitable filling material 3. Sand and prime |
| Peeling / Flaking paint coating | <ol style="list-style-type: none"> 1. Remove all loose flakes 2. If necessary, prime the surface 3. Fill holes and cracks, smooth and level with a suitable filling material 4. Sand and prime |
| Distemper coatings | <ol style="list-style-type: none"> 1. Remove completely by scraping/washing off 2. Prime with suitable keying primer |
| Glossy paint coatings | <ol style="list-style-type: none"> 1. Sand until there is a mat finish 2. If necessary, apply a keying primer |
| Glass fabric¹ | <ol style="list-style-type: none"> 1. Clean (abrade and smooth down) 2. Smoothen and level out fabric structure with a suitable filling material (prevents the formation of stripes in the texture) 3. Sand and prime |

¹ otherwise, an unclean structural image is created which becomes extremely disturbing after coating

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|--|--|
| Plasterboard panels | <ol style="list-style-type: none">1. Fill joints and screw holes until even surface in accordance with current plasterboard specifications2. Sand and prime |
| OSB panels, wood, Hardboard | <ol style="list-style-type: none">1. Apply a protective layer (to prevent carry-over of constituents)2. Sand3. Fill joints and screw holes with suitable filling material4. Fill and level whole surface with a suitable filling material5. Sand and prime |
| Ceramic tiles | <ol style="list-style-type: none">1. Clean and degrease the tiles2. Apply bonding agent (undercoat/primer for ceramic and glass)3. Fill and level whole surface with a suitable filling material4. Sand and prime |
| Rusty steel surfaces | <ol style="list-style-type: none">1. Remove rust as per DIN 55928 PST 2-3 or ST 2-32. Apply a suitable anti-corrosive primer3. Fill joints with suitable (2-K) filling material4. Sand and prime (rust protection) |
| Bleeding surfaces (e.g. waterstains) | <ol style="list-style-type: none">1. Insulate bleeding areas with a suitable primer2. Sand2. Fill holes and cracks, smooth and level with a suitable filling material3. Sand and prime |
| Nicotine and soot deposits | Treat with an insulating protective layer |