TECHNICAL DATA SHEET
SYSTEXX Active Magnetic Whiteboard – shiny / matt
Magnetically active whiteboard wall covering

Properties / Typical application

The back of SYSTEXX Active Magnetic Whiteboard has a metallic coating. Standard, commercially available magnets therefore adhere directly to the wall covering. In addition, SYSTEXX Active Magnetic Whiteboard can be written on with any standard whiteboard marker and wiped clean again. SYSTEXX Active Magnetic Whiteboard is applied using conventional wall adhesive techniques. The wall covering is white and is similar to RAL 9016.
SYSTEXX Active Magnetic Whiteboard wall covering is a composite (glass flecce with whiteboard coating and magnetic coating) that combines the outstanding technical properties of SYSTEXX products with a 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 are flame retardant in accordance with DIN EN 13501-1:2010, and meet class C-s1, d0. Thanks to high quality, SYSTEXX Active Magnetic Whiteboard meets Oeko-Tex class 1. The material does not affect cell phones or WiFi signals. It is not conductive.

With SYSTEXX Active Magnetic Whiteboard, 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 or whiteboard paint, are not necessary. SYSTEXX Active Magnetic Whiteboard is also suitable for transforming walls into projection screens (not for home cinemas).

PLEASE 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.

As a rule, it can be said that ceiling-mounted projectors can produce a higher glare effect than desktop projectors.

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 Whiteboard (shiny / matt)** incl. wallpapering squeegee and microfibre cloth	GV 200 MG WB 10,4m	1710	95	10,4	-→|0 free match
SYSTEXX Active **Magnetic Whiteboard (shiny / matt)** incl. microfibre cloth	GV 200 MG WB 5,2m	1710	95	5,2	-→|0 free match
SYSTEXX Active **Magnetic Whiteboard (shiny / matt)** incl. microfibre cloth	GV 200 MG WB 2,6m	1710	95	2,6	-→|0 free match

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Substrate preparation

The substrate must be dry, clean, smooth and stable. 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. Smooth any stable substrates that are rough or uneven; fill any holes with filler. 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. Wait the recommended drying time, then sand down the substrate and coat it with an aqueous penetrating primer.
(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 Whiteboard

Always roll SYSTEXX Active Magnetic Whiteboard in the direction in which it was rolled; never bend or roll it in the other direction. Rolling the whiteboard lengths incorrectly may damage the visible side of the fabric!

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.

1. Application with adhesive for SYSTEXX Active Magnetic Whiteboard

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.

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.

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. Remove any adhesive on the visible side straight away with a damp sponge.

Adhesive coverage: 150 – 220 g/m²

Coverage rates may vary depending on the type of substrate. Carry out a test application to work out the precise rate. If using with any other product, please follow the relevant accompanying instructions.

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3. Press on and cut off

The set includes both a wallpaper squeegee and microfiber cloth. Wrap the wallpaper squeegee into the microfiber cloth (which is also recommended for cleaning) and smooth the lengths of SYSTEXX Active Magnetic Whiteboard down, applying enough pressures to remove any air bubbles. 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 Whiteboard continuously around corners. For corners, SYSTEXX Active Magnetic Whiteboard has to be cut.
We recommend the use of wallpaper corner profiles here!

Please do not use standard wallpapering tools to hang the material. They may damage the material surface and impair the functionality of the damaged areas.

4. Basic cleaning of the surface after hanging

After the adhesive has fully dried, the surface must be thoroughly cleaned with a water-detergent mix. Please do not use any sharp-edged or abrasive wiping aids so as to avoid scratching or damaging the surfaces.

5. Cleaning after writing on/using the surface

Use a dry microfiber cloth to wipe off dry erase markers. If the writing cannot be removed without leaving any trace, the surface can be cleaned with standard whiteboard sprays or water.

Since SYSTEXX Active Magnetic Whiteboard is resistant to common household solvents such as ethanol, turpentine, benzene etc., permanent markers can also be easily removed. However, the use of solvents should be restricted to a minimum.

Cleaning with disinfectants is also possible, e.g. 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

For cleaning, use only a microfiber cloth to avoid damaging the surface. We recommend not using any dirt erasers.

5.1. Recommended pens

We advise you to use only whiteboard products, as products with too hard a lead/tip could damage the surface.

5.2. Accessories

Our cleaning set is the perfect accessory for this product.
It contains 4 edding dry erase markers (red, black, blue and green) as well as a microfiber cloth for dry cleaning and a cleaning spray to effortlessly remove any writing traces and stubborn dirt.

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6. Surface rework

Although the whiteboard surfaces require no reworking, it is possible to refresh the surfaces without impairing the magnetic force.

Proceed as follows:

Simply peel off the white glossy layer (split from each other). Once it has been fully removed, the underlying layer is a neutral white fleece surface. To recoat it, proceed as follows: rub down the fleece surface slightly with sandpaper to remove any impurities.
We recommend using a high-quality, emulsion paint (at least eggshell) or whiteboard paint. Surfaces covered with a matt finish are likely to show signs of wear from the use of magnets. If the magnetic surface is no longer needed in future, you can of course also resort to matt emulsion paints.

1st coat: apply the paint evenly. 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 Whiteboard (wet abrasion class 1). Even as many as eight additional coats do not have a negative effect on the magnetic action.

Coating according to degree of gloss

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

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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
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
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
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
Flaking old paint	1. Completely remove any unstable, flaking paint (by hand or with a machine) 2. Apply an intermediate primer if necessary 3. If necessary, skim the entire surface and smooth off 4. Sand and prime

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Distemper	1. Remove completely by scraping/wiping 2. 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

*) otherwise you will be left with an uneven surface finish which will be extremely noticeable after painting!

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Important

To move the magnets, please lift them off the surface and position them where needed. Do not slide the magnets over the whiteboard surface for a longer period of time since the surface may get scratched and damaged from adhering dirt particles.
The product is supplied with conical magnets. Alternatively, you can also order our power magnets in a set of 4, which have a stronger holding force.

Storage

Store the rolls in a dry, clean place.

General notes

1. 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.

2. 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. Plase observe applicable regional building codes. In case of doubt, the technical application consultation service of Vitrulan Textile Glass GmbH should be contacted.

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