SYSTEXX GLASS FIBER WALL COVERINGS IN HOUSING CONSTRUCTION

SOLUTIONS FOR RESIDENTIAL BUILDINGS

SYSTEXX
by Vitrulan

INNOVATIVE GLASS FABRICS AND FLEECES FOR WALLS AND CEILINGS

FUNCTIONALITY AND DESIGN IN PERFECT HARMONY

CHALLENGES IN RESIDENTIAL BUILDING SETTINGS

There is almost no other area, where the requirements imposed on walls and their “cladding” are as manifold as in residential construction: Besides fulfilling individual design preferences, wall coverings also have to meet numerous technical requirements. On the one hand, property developers would like to offer their customers the best possible choice; on the other hand, they must comply with requirements in terms of certification, eco-friendliness and sustainability while keeping an eye on the cost-performance ratio.

Other individual matters may additionally become relevant depending on the circumstances. The quality of the material used, for example, may require special attention when people with health problems, allergy sufferers or small children are involved. Or if someone wants to set up a home office, ideally it should be as functional as the office in the company.

SPECIAL REQUIREMENTS – SPECIAL SOLUTIONS

SYSTEXX IN HOUSING CONSTRUCTION

The premium quality SYSTEXX glass fiber wall coverings are perfect to meet the manifold requirements of housing construction. Natural raw materials not only make them particularly **sustainable**, but also **non-toxic** and thus **ideal for allergy sufferers**. They **bridge cracks and reinforce walls** thanks to tightly interwoven glass yarn that also provides **protection against abrasion and knocks**. SYSTEXX wall coverings can be **repainted several times**, thus considerably extending refurbishment intervals.

In addition to the fundamental technical benefits of glass fabrics and fleeces, the **SYSTEXX** range also offers a number of special solutions, such as the pollutant-absorbing **SYSTEXX Active Absorb** or **SYSTEXX Active Reno** for very quick renovation.

The following pages provide an overview of SYSTEXX products tailored to meet the requirements in residential construction.

TECHNICAL HIGHLIGHTS

- Wall reinforcing and crack bridging
- Suitable for allergy sufferers
- Impact and perforation resistant
- Reaction-to-fire: B-s1, d0 – extremely flame retardant
- Multiple repainting possible
- Non-toxic and food-safe
- Water vapor permeable
- Abrasion and scrub resistant
- Made in Germany
- Non-hazardous to health

The properties mentioned here apply to a large part of the SYSTEXX by Vitrulan range and may vary subject to the relevant coating.

SYSTEXX PHANTASY

WORLDS OF FANTASTIC DESIGNS

Whatever the setting, deepest jungle or vast, barren desert landscape: **SYSTEXX Phantasy** takes you on a journey into fantastic worlds. Opulent designs and stunning, large-format patterns turn entire rooms or feature walls into the focal point of any apartment, office or hotel room. Liven up your walls and let your imagination run free.

Many of our **SYSTEXX Phantasy** glass fabrics are available with **Aqua Technology** for quick and clean installation. Like postage stamps, these coverings feature an adhesive that is already applied to the back and can be activated by just adding water.

WALL COVERING IN BACKGROUND: SYSTEXX PHANTASY DESERT 983

IDEAL FOR...

Living spaces

Children's rooms

View all **SYSTEXX Phantasy** designs online

vitrulan.com

SYSTEXX PURE AND FLEECE

LESS IS MORE

SYSTEXX Pure offers boundless scope for creativity. Straight lines, well-defined textures and perfectly smooth surfaces create a calm setting and deliberately enhance the purist look of your walls. In addition, this pared down look also provides the ideal basis for sophisticated stucco techniques or color combinations. All wall coverings included in the **SYSTEXX Pure** range offer the same technical benefits as glass fiber wall coverings: they are crack bridging and wall reinforcing, impact resistant, fire-resistant and non-hazardous to health.

Just like SYSTEXX Phantasy, many of our **SYSTEXX Pure and Fleece** products can be supplied with our time and cost-saving **Aqua Technology** adhesive coating.

WALL COVERING IN BACKGROUND: SYSTEXX PURE BIG STRIPES 906

IDEAL FOR...

Studies

View all **SYSTEXX Fleece** products online

vitrulan.com

Living rooms

Hallways and staircases

View all **SYSTEXX Pure** designs online

vitrulan.com

SYSTEXX ACTIVE ACOUSTHERM

SAVES ENERGY, REDUCES NOISE

Whether or not we feel comfortable in a particular room or situation depends on a number of different factors. Temperature and noise are particularly important. A balanced indoor climate and optimum acoustics have a positive impact on our performance and on our ability to concentrate.

Walls that are only plastered or covered with ordinary wallpaper let the heat out and it takes a long time to warm the walls and the room. **SYSTEXX Active AcousTherm** reduces heat loss through walls by 10% and enables the room to reach a comfortable temperature up to four times faster. Thus, the desired cozy warmth is achieved much more quickly, resulting in a relative saving of 2 °C. The wall covering does not interfere with natural heat circulation or change the dew point.

In addition, **SYSTEXX Active AcousTherm** noticeably reduces reverberation, thereby improving room acoustics. **AcousTherm** has a Class E sound absorption rating thanks to its sound-dampening properties.

WALL COVERING IN BACKGROUND: SYSTEXX ACTIVE ACOUSTHERM 904

IDEAL FOR...

Living rooms and bedrooms

Dining areas

Detailed information on

SYSTEXX Active AcousTherm

vitrulan.com

SYSTEXX ACTIVE ABSORB

GLASS FABRIC FOR HEALTHY INDOOR AIR QUALITY

When renovating or refurbishing rooms, many materials emit hazardous substances that may be harmful to health. Breathing in even small amounts of these substances can reduce your ability to concentrate and trigger headaches or nausea. Formaldehyde is a very common indoor air pollutant. Be it new furniture, especially when made of wood composite or plywood, carpets, paints or adhesives – formaldehyde is often emitted over a long period of time and degrades only slowly. **SYSTEXX Active Absorb** provides effective help as every single fiber of this wall covering is coated with a special finish that filters formaldehyde from the air and binds it effectively. Laboratory tests have scientifically proven that **SYSTEXX Active Absorb** reduces the concentration of formaldehyde in the air by up to 65% – even as the pollutant is continuously released into the air. The wall covering can absorb high levels of formaldehyde across its entire life cycle.

CREATES A HEALTHY INDOOR CLIMATE
Special finish effectively binds formaldehyde – even after a longer period of time

GLASS FABRIC AND FLEECE WITH SPECIAL FINISH
Permanently binds harmful formaldehyde contained in indoor air

IDEAL FOR...

Bedrooms

Children's rooms

Living spaces

Detailed information on

SYSTEXX Active Absorb

vitrulan.com

SYSTEXX ACTIVE MAGNETIC AND MAGNETIC WHITEBOARD

LIMITLESS CREATIVITY

Whatever its use, for holding information in an apartment dwelling, posting notes in the family kitchen, or just for playing and letting off steam in the children's room: with the **SYSTEXX Active Magnetic** range, you no longer have to make do with unwieldy flipcharts or old bulletin boards.

No matter the shape or size of the interactive surfaces, they can be easily installed with our magnetic products. The reverse side of the wall covering has a magnetic layer, whereas the options for the visible side are a particularly fine glass fabric (**Magnetic 139 PG**) or a perfectly smooth glass fleece (**Magnetic Fleece 200 PG**). The wall coverings, which can be painted over repeatedly, blend almost imperceptibly into the room and do not create a magnetic field or interfere with mobile radio or Wi-Fi networks.

With our **SYSTEXX Active Magnetic Whiteboard** it is possible to hang an even more intelligent multifunctional surface in next to no time. No magnetic paint or plates, no separate coat of paint – a whiteboard has never been put on a wall faster or cleaner!

Creativity knows no bounds: regardless of whether classic whiteboard markers are used or pencils with particularly soft leads specially designed for children.

IDEAL FOR...

Children's rooms

Home offices

Display boards in kitchens or hallways

Detailed information on **SYSTEXX Active Magnetic & Magnetic Whiteboard**

vitrulan.com

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The Vitrulan Group has production facilities at two locations in Germany: Marktschorgast (Kulmbach) and Haselbach (Sonneberg) as well as one in Mikkeli, Finland.

Wall coverings made of glass fabrics and glass fleeces, modern infrared surface heating based on glass fabrics, and technical textiles made of glass, synthetic, and carbon fibers make up the core products of the Vitrulan Group.

Vitrulan produces extremely robust, hard-wearing, sustainable, and versatile wall coverings. A wide range of traditional and modern designs are complemented by innovative wall coverings with additional functions. Sustainable interior design and premium product quality together are our number one priority.

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SYSTEXX by Vitrulan

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