

# PROVISIONAL TECHNICAL DATA SHEET

## SYSTEXX Active FireProtect

Non-combustible, hard-wearing wall and ceiling coverings

### Characteristics / usage

SYSTEXX Active FireProtect wall and ceiling coverings are applied in the usual way, but it is imperative that the special SYSTEXX Active FireProtect Glue rather than conventional adhesive be used. This means that the paintable wall and ceiling coverings, on their own or as part of the system (adhesive/wallcovering/paint\*), conform to fire-resistance class A2-s1, d0 in accordance with DIN EN 13501-1:2010.

Consequently, the overall system comprising adhesive/wallcovering/paint\* complies with fire-resistance class A2-s1, d0, thus enabling it to be used in the escape routes of public buildings. SYSTEXX Active FireProtect wall and ceiling coverings are applied in the usual way but using the special SYSTEXX Active FireProtect Glue instead of conventional adhesive.

These high-quality wall coverings also conform to Oeko-Tex Class II and are PVC and halogen-free.

\*with a paint that is also classified as non-combustible in accordance with DIN EN 13501-1:2010

### Technical data for system components

Wall/ceiling covering	SAP designation	Approx. Weight in g/m <sup>2</sup>	Approx. Width in cm	Lengths in m	Pattern Repeat cm
SYSTEXX Active <b>FireProtect FP04</b>	GG 904 FP 15,5m	500	100	15,5	→ 0 free match
SYSTEXX Active <b>FireProtect FP78</b>	GG 978 FP 15,5m	600	100	15,5	→ 0 free match
SYSTEXX Active <b>FireProtect FP79</b>	GG 979 FP 15,5m	600	100	15,5	→ 0 free match

Adhesive	SAP designation	Container type	Color	kg/container
SYSTEXX Active <b>FireProtect Glue</b>	SYSTEXX FireProtect Glue	bucket	opaque	15

## Substrate preparation

A substrate must be non-combustible to achieve an A2-s1, d0 fire-resistance class. It is not possible to make a combustible substrate 'non-combustible' by applying SYSTEXX Active FireProtect.

Make sure that the substrate is free from impurities before applying the wall covering. Substrates must be dry, clean, smooth and stable. Remove old wall coverings and unstable paints and finishes. Sand down stable but rough/uneven substrates; fill cracks/holes with a levelling compound. Prepare the substrate thoroughly, taking care to remove even the slightest irregularities such as grains of sand or grit etc. Marks left by preparation work must be no more than 1 mm wide or deep. To achieve this, apply a skim coat or trowel up to produce a smooth finish if required. Pretreat absorbent substrates with a suitable primer (e.g. silicate-based primer). Remove any mold growth and treat in accordance with the relevant regulations.

## Application

Important for all products

Do not apply if the room and surface temperature fall below +8 °C. Always check to ensure that the batch numbers are the same when applying the wall covering to adjacent areas (see information on outside of box). One drop = wall/ceiling height plus 5 – 10 cm. Trim off the excess.

### 1. Applying the system adhesive

Using a roller, evenly apply a sufficient quantity of SYSTEXX Active FireProtect Glue to cover an area the width of 1 to 2 drops.

Allow 7 – 12 hours drying time at normal room temperature (18 °C).

Quantity of adhesive required to comply with the fire-resistance rating: ca. 170 g/m<sup>2</sup> - max. 200 g/m<sup>2</sup>

See the SYSTEXX Active FireProtect Glue technical data sheet for more information.

### 2. Avoiding textural differences

Never paste the product upside down or inside out. Marks on the back of the fabric serve as a guide. These marks should always be spaced at 1 m intervals in the pasted state.

### 3. Butt-joining the lengths of wall covering

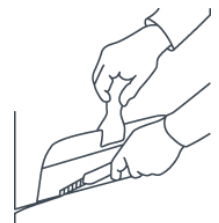
Make sure that the edges butt up smoothly where one length joins another. Avoid overlaps in the seam area. Remove any adhesive on the visible side straight away with a damp cloth or sponge.

### 4. Pressing onto the wall and trimming

Press firmly onto the surface with a wallpaper squeegee, making sure that there are no bubbles.

Carefully press overlapping fabric into the corners and cut with a sharp-bladed cutter, using a wallpaper smoother or ruler as a guide.

Applying around outside corners: Gently sand the edge of the fabric with wet sand paper (≥ P240), taking care not to sand right through the fabric. Then wrap it around the outside corner and press it firmly onto the wall to remove any bubbles.

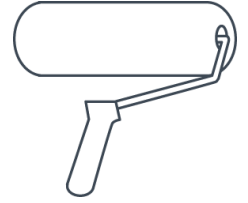


## 5. Painting

We recommend using a high-quality emulsion or silicate paint classed as non-combustible in accordance with DIN EN 13501-1:2010. Apply one or two coats, depending on requirements.

1st coat: Apply the paint evenly once the wall covering has completely dried. Follow the paint manufacturer's instructions.

2<sup>nd</sup> coat: Wait until the first coat is completely dry before applying the second coat.



Paint coverage: Apply the quantity specified by the manufacturer to achieve the fire-resistance class.

The coverage depends on the texture of the fabric and the substrate. Carry out a trial application to work out the precise rate. If using with any other products, please follow the relevant accompanying instructions.

## Important

Despite strict quality controls, minor production-related defects may occur. These are indicated at the edge of the roll and compensated for by adding 0.5 m to the roll length. Complaints made after more than 10 lengths have been hung cannot be accepted.

## Storage

Store rolls in a clean, dry place.

## General information

Certain sensitive individuals may find that handling glass fiber irritates their skin. However, SYSTEXX Active FireProtect is tested to Oeko-Tex standards to ensure that it is free from allergenic and harmful substances.

Due to the process used to manufacture the glass staple fiber, surface irregularities may be visible in wall coverings made from this material. This is a characteristic feature of the textile and does not constitute grounds for complaint.

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. The user is obliged to use his professional judgment to assess the suitability of the product and the substrate for the intended use. Please comply with the relevant national building regulations. In case of doubt, please contact the technical advisory service at Vitrulan Textile Glass GmbH.