PROVISIONAL TECHNICAL DATA SHEET
SYSTEXX Active FireProtect Glue

Special ready-to-use alkali silicate system adhesive for SYSTEXX Active FireProtect wall and ceiling coverings

Characteristics / usage

For hanging SYSTEXX Active FireProtect wall and ceiling coverings.
This special adhesive ensures that the overall system comprising adhesive/wallcovering/paint* complies with fire classification A2-s1, d0, thus enabling it to be used in the escape routes of public buildings.

SYSTEXX Active FireProtect Glue can also be applied to all mineral-based, smooth and stable interior substrates.

SYSTEXX Active FireProtect Glue has high initial tack and good spreadability, making it suitable for heavy wall coverings.

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

Technical data for system components

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

Characteristics

- low-emission, free from plasticizers and solvents
- transparent when dry
- highly vapor-permeable
- free from preservatives and so suitable for allergy sufferers
- very good initial tack and high bond strength
- good spreadability and long open time
- free from fogging agents
- organic content < 5% (VOB/C DIN 18363 2.4.1)

Substrate preparation

A substrate must be <u>non-combustible</u> 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

Stir ready-to-use SYSTEXX Active FireProtect Glue slowly before use. Depending on the absorbency of the substrate, dilute with maximum 10% water, or use undiluted. Using a roller, evenly apply a sufficient quantity of adhesive to cover an area the width of 1 to 2 drops. Lay the wall/ceiling covering in the adhesive without delay and press down firmly, making sure there are no air bubbles. Remove any adhesive on the visible side straight away with a damp cloth or sponge. Allow 7 – 12 hours drying time at normal room temperature (18 °C).

<u>Note:</u>

Quantity of adhesive required to comply with the fire-resistance rating: **ca. 170 g/m² - max. 200 g/m²**
- Wear safety goggles during application
- Carefully mask stone, glass and metal objects

Technical data

- Composition: Potassium water glass/polymer dispersion
- Density: Approx. 1.1 g/cm³
- Appearance: Milky/opaque
- Container size: 15 kg plastic bucket
- Coverage: See technical data sheet for the SYSTEXX
                     Active FireProtect wall/ceiling covering used
- Cleaning: Clean equipment with water immediately after use
- Drying: Approx. 7– 12 hours at 18° C and 65% relative humidity
- Storage: Store in a cool, dry, frost free place
- Shelf life: 12 months in sealed original container
- Disposal: Residue-free packaging can be recycled. Check with your local
  disposal   company for full details.