

Technological instruction No. 08-011

ALFAFIX® BS

Catalogue No.: 632500

ALFAFIX® BS is organic dispersive adhesion cement.

ČSN EN 9001
 ČSN EN 14001
ISO ISO



CHARACTERISTICS

Application	Organic dispersive adhesion cement ALFAFIX® BS is used for adhesion of facade stripes of BRICK FLEXY system. The facade stripes serve for final surface treatment of facades and walls in exterior and interior, of plaster boards and for final surface treatment of base layers of external thermal insulation composite systems (hereinafter ETICS) of STX.THERM® line. They are delivered in colours and structures according to current samplers.
Characteristics	The hardened surface treatment demonstrate high flexibility, prevents water leakage into construction and is long time resistant to the climatic and ultra-violet radiance influences.
Specification	ALFAFIX® BS contains a biocide in the form of capsules that releases gradually for several years, and prevents and slows down the growth of algae and fungi (moulds).

TECHNICAL DATA

Criterion	Standard/test regulation	Value/Unit	Notes
Density	EN ISO 2811	1.7 – 2.0 g/cm ²	
Equivalent diffusion thickness S _d	EN ISO 7783-2	< 0.6 m	layer thickness 3 mm
Water permeability rate w	EN 1062-3	< 0.1 kg/m ² .h ^{0.5}	
Absorption capacity	ETAG 004	< 0.1 kg/m ²	
Cohesion	EN 15824	> 0.3 MPa	
Thermal conductivity	EN 1745	0.7 W/(m.K)	

The specified characteristic parameters are average values. Due to the use of natural raw materials in our products, the specified values may insignificantly differ in individual deliveries. This, however, does not compromise suitability and reliability of our products.

SUBSTRATE

Requirements	Foundation must be solid and cohesive, free of dust, oil and all dirt that might reduce adhesion of coating to the foundation. Suitable are seamless base coats ETICS from the STX.THERM® range (matured, for 24 hours at least).
Preparation of the material	<p>Foundations that are not satisfactory even must be patched, evened up, or smoothened. The base coat of ETICS from the STX.THERM® range is impregnated with the primer EH.</p> <p>The material can be applied only when the priming coat has dried completely, depending on the weather conditions – at least 4 hours, at temperatures under +10 °C and high relative humidity for up to 24 hours.</p>

APPLICATION

Climatic conditions during application	The work may not be done under rain, fog, strong wind nor on directly sunlit surfaces. Range of working temperatures is from +5 °C to +30 °C (both, the air and the base too). The applied material must be secured against frost and rain influences up to complete
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drying.

Preparation of the material	ALFAFIX® BS is mixed by a quick stirrer (drill adapter) or by a mixer with forced mixing. The material is delivered in paste consistency and does not require any improvements. Mixing of any other additives is prohibited. The facade stripes are adapted by cut or scissors in the required size. After heating by hot air the stripes can be plastically formed.
Consumption	(kg/m ²) ALFAFIX® BS: 2.2–2.5
Spreading capacity	8.5 m ² / bucket (25 kg)
Composition of surface treatment	Penetration varnish: EH Surface treatment: ALFAFIX® BS
Application	At designed place attach a paper band in horizontal direction and from it in down direction spread the ALFAFIX® BS adhesive cement by a tooth applicator (4 mm teeth). The BRICK FLEXY stripes are to be attached from the left upper corner. The corner stripes are attached as the first ones. The stripes are laid into fresh adhesive cement on joints, evenly pressed and we care for maintaining of same gaps (best with help of a pattern). Excessive adhesive cement pushed into seams do not remove but smooth it by a wet paintbrush. The excessive adhesive cement adapted this way thus replaces jointing material and there is no need to further shape the seams. Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable tapes, foil etc. Any polluted area must be cleaned in time because removal of dried material is difficult.
Drying, curing, revision time	The material hardens physically through water vaporisation. The material dries up after 14 days. Adverse conditions slow the drying process down. On principle, protective measures must be taken (e.g. protection against rain, protection against sun by shading) on the worked or just finished surface under adverse conditions. At an air temperature of +20 °C and relative air humidity of 65 % re-work is possible not earlier than after 24 hours.
Cleaning tools	Immediately after use clean with water.

DELIVERY

Colour hue

3 tints (white, grey, light grey)

Stability of the colour tone:

The surface may change over time when exposed to natural weather conditions, humidity, UV light, or deposits. This may result in a colour change. In fact, it is a dynamic process that is influenced by the weather conditions and exposure of the surface. For intensive and/or very dark shades, it is suggested to improve colour stability by applying an additional coat.

Black grain:

Fillings used in the plasters of STOMIX, spol. s r. o. are natural products that may individually give impression of dark or structural grains. This does not mean that the quality is deteriorating, but it is a minimum optical deviation. This is due to the natural character of the product and proves natural characteristics of the used materials.

Breakage of the filling:

When a coat surface is exposed to mechanical stress, there may be changes to a colour shade on the affected areas, particularly with dark, intensive colour shades. Such areas become slightly lighter, due to damage of the filling or pigment abrasion. This, however, does not affect quality and functionality of the product.

Colour shade accuracy:

On the basis of chemical and/or physical binding processes and in varying climatic and exposure conditions, no guarantee of accuracy and evenness of colour shade can be given, particularly with:

- irregular absorption of the foundation
- irregular humidity of the foundation
- partially considerably different alkalinity of the substances contained in the foundation
- direct exposure to sunlight with strongly limited shade formation on a freshly applied area

Emulsifier washout:

Based on the conditions slowing down the drying process, surface phenomena (leaches) may appear in the initial phase in not dried coats due to the effect of condensation, vapour, splashing water or rain, because of the auxiliary, water-soluble substances contained in them. Depending on the colour shade intensity, the described effect may

differ, which, however, is not material quality deterioration. Such effects usually spontaneously disappear with further exposure to weather conditions.

Potential special setting	Adding other substances into the mixture is forbidden. A preserving agent and agent protecting against fungi and algae are added already during production. A preventive and prolonged effect is achieved. A permanent protection against algae and fungi can't be guaranteed.
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Packing	The product is packed in 25 kg plastic portable buckets.
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STORAGE

Storage	When storing in the tightened closed original packages the guarantee period is 12 months from the date of production. Protect from frost, store at a temperature higher than +5 °C.
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Ecology	Liquidation of not used ALFAFIX® BS remains is done by avoidance of access of air and after drying it is liquidated as building waste. The facade BRICK FLEXY stripes are liquidated as a building waste. Used packaging is liquidated as other waste according to the valid legislation.
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IDENTIFICATION

Product group	adhesive substance
Composition	Polymer binding substances, material modifying reologic qualities, surface active agents, biocide agents in the form of capsules (protection against moulds, fungi, algae)
Safety	Not stated. Hazard determining components: Product is not dangerous. Additional information: Contains 5-Chlor-2-methyl-3(2H)-isothiazolon, mix with s 2-methyl-3(2H)-isothiazolonemsubstance. May produce an allergic reaction. Content VOC: 4.14 g/l mass ready to use.

SPECIAL INFORMATION

Regarding orders, transport, handling and storing, general sales conditions are applicable. Usage of the product is described in relevant technological sheet. Respect safety sheet instructions. The prescription is available at authorized dealers and on the address **www.stomix.com**.

The information provided takes in account the current status of the technology. We give general instructions based on our experience with application and results of the material tests. However, the information provided can't take into account the local conditions during the application, therefore, it can't be legally binding. In case of doubts or need to solve specific technical problems, please contact us.



WWW link