

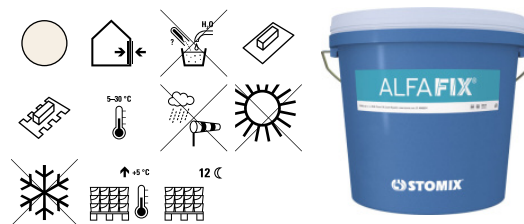
# Technological instruction No. 08-009

## ALFAFIX® TIS

Catalogue No.: 630300

ALFAFIX® TIS is one component organic adhesive and backfilling material.

ČSN EN 9001  
 ČSN EN 14001



### CHARACTERISTICS

<b>Application</b>	It is used for adhesion of insulation board materials of external thermal insulation composite systems (ETICS) of STX.THERM® line and in combination with glass mesh as base layer ETICS STX.THERM® GAMA and of board structural materials.
<b>Characteristics</b>	The hardened material ensures flexible adhesion of attached parts. In combination with glass mesh the material forms flexible seamless layer.
<b>Specification</b>	The product 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 <sup>2</sup>	
Equivalent diffusion thickness S <sub>d</sub>	EN ISO 7783-2	< 0.6 m	layer thickness 3 mm
Water vapour diffusion resistance factor μ	EN ISO 7783-2	200	
Water permeability rate w	EN 1062-3	< 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>	
Absorption capacity	ETAG 004	< 0.1 kg/m <sup>2</sup>	
Adhesion to concrete	ETAG 004	> 2.0 MPa	
Adhesion to concrete after immersion in water	ETAG 004	> 1.5 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

<b>Requirements</b>	It can be attached to common bases (consistent fixed render, concrete, gas silicate, foam concrete, burnt building materials, plaster boards, chipboards). The adhesion is not possible to lime or glue paints. Such instable layers must removed before application by regrating or grinding. When attached to not firm and volume unstable bases (cement-fibre, chipboards, wood-fibre boards, fibreglass etc.) especially in spaces exposed to significant changes of humidity and temperatures, the corresponding base preparation and adhesion technology must be set according to concrete conditions by consultation with the producer.
<b>Preparation of the material</b>	Absorbent bases are impregnated by penetration solution. A double penetration must be done with highly absorbent bases or bases repaired by previous regrating of lime or glue paints. For base impregnation the penetration coatings NL or EH are used, eventually painting by the HC-4 primer. At surface treatment of insulation board materials for application of seamless base layer under final render the levelling of bases by regrinding is made. Lightweight not absorbent bases – EPS, reground polyurethane or expanded polystyrene need not be impregnated.

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.

<b>APPLICATION</b>	
<b>Climatic conditions during application</b>	Range of working temperatures is from +5 °C to +30 °C, while the temperature of the base, attached material and adhesive cement must also be within the said range. It is not recommended to realise the works under rain nor under higher temperatures on directly sunlit surfaces. In such a case the directly sunlit surfaces should be suitably shaded. The applied material must be suitably protected against frost and rain until complete drying.
<b>Preparation of the material</b>	The material is delivered in suitable consistency for application. Before use it is only mixed, the best by a mixing adapter on electric drill. The mixing time is 1 to 2 minutes according to the mixing device.
<b>Consumption</b>	(kg/m <sup>2</sup> ) ALFAFIX® TIS: binding 1.5–3.0; reinforced spatula-coats 2.8–3.6 (according to the type of further modifications and flatness of the base);
<b>Spreading capacity</b>	9.8 m <sup>2</sup> / bucket (25 kg), depends on the use, manner of sealing and the plainness of the base
<b>Composition of surface treatment</b>	Penetration varnish: Depending on the kind and condition of the foundation Surface treatment: ALFAFIX® TIS
<b>Application</b>	<p>Spreading of adhesive and backfilling material ALFAFIX® TIS is done by means of tooth applicator with teeth height of 3 to 10 mm onto the prepared base. Spreading of the material over insulation board materials is done in points over the board circuit in order the flatness and stiffness of the facing insulation side are ensured. Application of seamless backfilling is done by a stainless smoother or tooth applicator eventually. Into a layer of minimal thickness of 1 mm is pushed the glass mesh and for levelling of the surface a backfilling in sufficient thickness is applied.</p> <p>Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable foil, tapes etc. Any polluted area must be cleaned in time because removal of dried material is difficult.</p>
<b>Drying, curing, revision time</b>	The material hardens physically though 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.
<b>Cleaning tools</b>	Immediately after use clean with water.
<b>DELIVERY</b>	
<b>Colour hue</b>	<p>natural tint</p> <p>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.</p> <p>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.</p>
<b>Potential special setting</b>	<p>Adding other substances into the mixture is forbidden.</p> <p>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.</p>
<b>Packing</b>	The product is packed in 25 kg plastic portable buckets.

## STORAGE

<b>Storage</b>	When storing in the tightened closed original packages the guarantee period is 12 months from the date of production. Protect against frost, do not store in sun-radiated places.
<b>Storage period</b>	12 months from the production date
<b>Ecology</b>	Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.

## IDENTIFICATION

<b>Product group</b>	adhesive and levelling material
<b>Composition</b>	polymer binding substances, modifying additives, fillers, biocide agents (protection against moulds, fungi and algae)
<b>Safety</b>	Not stated. Hazard determining components: The 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