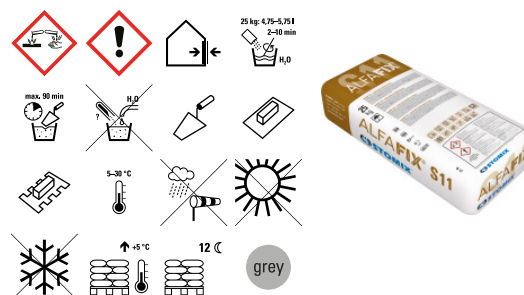


# Technological instruction No. 08-004

## ALFAFIX® S11

Catalogue No.: 632200

ALFAFIX® S11 is dry adhesive and backfilling material.



### CHARACTERISTICS

<b>Application</b>	It is used for adhesion of insulation board materials of external thermal insulation composite systems (ETICS) of STX.THERM® line, further for adhesion of ceiling tiles, prefabricated parge profiles in interior and exterior and in combination with glass mesh as highly flexible base layer of board structure materials.
<b>Characteristics</b>	The material is characterised by increased adhesion to selected types of attached materials. The hardened material ensures a flexible frostproof adhesion. Joint shows increased resistance to the climatic influences effects. In combination with glass mesh the material forms a highly flexible seamless layer.

### TECHNICAL DATA

Criterion	Standard/test regulation	Value/Unit	Notes
Mortar class	EN ISO 2811	CS IV	
Apparent density of cured mortar	EN 1015-10	1.3 - 1.4 g/cm <sup>3</sup>	
Flexural strength (28 days)	EN 1015-11	4.2 N/mm <sup>2</sup>	
Compressive strength	EN 1015-10	10.4 N/mm <sup>2</sup>	
Modulus of elasticity dynamic (28 days)	TP BE-PCC	7100 N/mm <sup>2</sup>	
Resistance to water vapour diffusion		≤ 65	
Water absorption	ETAG 004	< 0.5 kg/m <sup>2</sup>	
Water absorption (class)	EN 998-1	W1	
Thermal conductivity	EN 1745	≤ 0.39 W/(m.K)	Table value for P=50 %
Thermal conductivity	EN 1745	≤ 0.43 W/(m.K)	Table value for P=90 %
Fire behaviour (class)	EN 13501-1	F	Not measured

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.

## APPLICATION

<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>Workability period</b>	90 minutes at +20 °C
<b>Mixing ratio</b>	100 weight parts of dry ALFAFIX® S11 material into 19 to 23 weight parts of water according to the required consistency.
<b>Preparation of the material</b>	The material is prepared by mixing of 100 weight parts of dry ALFAFIX® S11 material into 19 to 23 weight parts of water according to the required consistency by means of mixing stirrer. It is mixed under low revolutions 2 to 10 minutes according to the stirrer type and after 10 minutes of maturing and short mixing the material is prepared for use. Adding of other mixing water or additives is prohibited.
<b>Consumption</b>	(kg/m <sup>2</sup> ) ALFAFIX® S11, bonding of insulation materials: 2,7–5,0; application by glass-netting: 3,2–4,0
<b>Spreading capacity</b>	6.5 m <sup>2</sup> / bag (25 kg), depending on the use, use of bonding and flatness of the base
<b>Application</b>	Spreading of adhesive and backfilling materials 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 3 mm is pushed the glass mesh and for levelling of the surface a backfilling in sufficient thickness is applied. 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.
<b>Drying, curing, revision time</b>	The drying time depends on the temperature, strength of wind and relative humidity. On principle, protective measures must be taken (e.g. protection against rain) on the worked or just finished surface under adverse conditions. Hardening lasts about 1 day/mm of the coat thickness depending on the weather conditions. At an air temperature of +20 °C and relative air humidity of 65 % re-work is possible not earlier than after 48 hours.
<b>Cleaning tools</b>	Immediately after use clean with water.
<b>Instructions, recommendations, specialties, other</b>	For more instructions for processing, see instructions for processing for the specific system.

## DELIVERY

<b>Colour hue</b>	grey tint
<b>Tintable</b>	The product cannot be tinted.
<b>Packing</b>	The product is packed in 25 kg laminated paper bags.

## STORAGE

<b>Storage</b>	12 months from the production date when stored in original packages, at a minimum temperature of +5 °C and in dry and damp-free 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 backfilling material
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**Composition**

hydraulic and polymer binding substances, modifying additives, fine-grain fillers


**Safety**

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P260 Do not breathe dust. P280 Wear protective gloves/protective clothing/eye protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical attention. P501 Dispose of container in accordance with local regulations. Hazard determining components: This product contains cement. Contact with the wet mixture can cause skin irritation or dermatitis. Additional information: The effect of some of the ingredients on the aquatic environment are unknown. This product contains cement. Product during storage life meets the legislative requirements for the content of soluble hexavalent chromium.

**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.

	STOMIX, spol. s r. o. 790 65 Skorošice 197 Czech Republic ID: 48400874	
	15	08-004-01
EN 998-1:2011 Specification for mortar for masonry – Part 1: Rendering and plastering mortar		
Fire reaction class:	F	
Capillary water absorption:	W1	
Diffusion resistance factor:	≤ 65	
Adhesion:	≥ 0.25 N/mm <sup>2</sup>	
Thermal conductivity:	≤ 0.39 W/(m*k) pro P = 50% (predefined value)	
	≤ 0.43 W/(m*k) pro P = 90% (predefined value)	
Durability:	NPD	
Dangerous substances:	NPD	



WWW link