

# Technological instruction No. 08-007

## ALFAFIX® ST

Catalogue No.: 630200

ALFAFIX® ST is one component water soluble organic material for thin-layer adhesion.

ČSN EN ISO 9001 ČSN EN ISO 14001



### CHARACTERISTICS

**Application** It is used for adhesion of glass-fibre wall papers and light polystyrene ceiling tiles. It is a component part of BALET® 1 system.

**Characteristics** Hardened material ensures flexible gluing of the glued materials together.

### TECHNICAL DATA

Criterion	Standard/test regulation	Value/Unit	Notes
Density	EN ISO 2811	1.7 – 2.0 g/cm <sup>2</sup>	
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** 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.

**Preparation of the material** 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, EH or AD are used, eventually painting by the HC-4 primer. Lightweight not absorbent bases – EPS, reground polyurethane or expanded polystyrene need not be impregnated.

The material can be applied only when the priming or intermediate 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.

### APPLICATION

**Climatic conditions during application** The material is processed under temperatures from +5 °C to +30 °C, while temperature of the base, attached material, dry mixture and water before mixing must also be within this temperature range. The applied material must be suitably protected against frost and rain until complete drying.

**Preparation of the material** 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.

**Consumption** (kg/m<sup>2</sup>) ALFAFIX® ST: 0.3–0.6 (according to the base and wallpaper).

**Spreading capacity** 44.4 m<sup>2</sup> / bucket (20 kg) according to the sealing and plainness of the base

<b>Composition of surface treatment</b>	Penetration varnish: Depending on the kind and condition of the foundation Surface treatment: ALFAFIX® ST
<b>Application</b>	The ALFAFIX® ST adhesive cement is applied by a suitable paintbrush or PUR roll with medium structure onto prepared base.  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 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.
<b>Cleaning tools</b>	Immediately after use clean with water.
<b>DELIVERY</b>	
<b>Colour hue</b>	natural tint
<b>Potential special setting</b>	Adding other substances into the mixture is forbidden.
<b>Packing</b>	The product is packed in 20 kg plastic portable buckets.
<b>STORAGE</b>	
<b>Storage</b>	When storing in the tightened closed original packages the guarantee period is 6 months from the date of production. Protect against frost, do not store in sun-radiated places.
<b>Storage period</b>	6 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.
<b>IDENTIFICATION</b>	
<b>Product group</b>	adhesive material
<b>Composition</b>	polymer binding substances, modifying additives, micro-ground lime filler, biocide agents (protection against moulds, fungi and algae)
<b>Safety</b>	Not stated. Hazard determining components: The product is not dangerous. Additional information: Not stated. Content VOC: 5.32 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