Technical Data Sheet

FINALTERM SF FIBER

Polymer-cement mortar for reinforcing and smoothing insulation boards.

product description:	Gray mortar for bonding, reinforcing, and smoothing thermal insulation boards made of mineral rock wool, expanded and extruded polystyrene. It is made from natural mineral binders, filler with a granulation of 0.6 mm, appropriate additives and polypropylene fibers.
area of application:	It is used for decorative finishing of facade and interior wall surfaces. It is intended for bonding thermal insulation boards to substrates made of concrete, brick, and cement-based plaster, as well as for installing glass fibre mesh on insulation boards before applying the final decorative plaster in ETICS systems. It is an integral part of the FINALIT S and FINALIT MV external thermal insulation systems. It is also applied as a leveling layer on concrete surfaces, smoothing compounds, old and new mineral plasters, and can be used on chipboard, fiber-cement boards, drywall, and similar materials.
product properties:	Easy to apply High coverage Polypropylene fibers
packiging:	Kraft paper bags 25 kg.
dry bulk density of hardened mortar:	1300−1400 kg/m^3 (EN 1015-10)
adhesion strenght on EPS and MW:	> 0,08 MPa (ETAG 004). > 0,08 MPa (ETAG 004, 2 days under water, 7 days drying).
adhesion strenght on concrete:	> 0,25 MPa (ETAG 004, 2 days under water, 7 days drying).
water absorption:	< 0,5 kg/m^2 (ETAG 004, after 24 h).
hard body impact:	> 10 J
technical characteristic according to EN 998-1:	

Compressive strenght:	CS IV
Water vapour permeability coefficient μ :	μ < 18
Capillary water absorption:	W_c2 (≤ 0,20 kg/(m^{2}*min^{0,5}))
Adhesion:	≥ 0,5 N/mm^2, B
Thermal conductivity λ10, dry (Tabulated value):	≤ 0,45 W/mK (P=50%)

workable life:	80-120 min.
consumption:	Min. 10 kg/m² (bonding + reinforcing + smoothing), depending on the type of substrate and insulation material. Leveling layer: 1−2 kg/m² Bonding: 5−8 kg/m² Reinforcing: 3−5 kg/m² Double reinforcing: 4−6 kg/m² Smoothing: 1−2 kg/m²
working conditions:	The temperature of the air, material and surface during processing must be higher than +5 °C and lower than +30 °C, and the relative humidity lower than 80 %. The material must not be applied to sunlit surfaces (it is mandatory to install a sun or rain screen on the scaffolding) and during windy weather. Low temperatures and high humidity prolong the setting time. High temperature in summer shorten the open working time of the material.

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substrate preparation:	The substrate must be completely dry, clean, and free of loose parts, dust, grease stains, algae, fungi, and other foreign substances. Before processing, the substrate must be inspected and its condition determined. All poorly bonded parts of the substrate and old coatings must be removed down to the solid part. Old plastered surfaces should be primed with *Simpra Universal Primer*, and highly porous substrates should be treated with *Simpra Nano Primer* or *Simpra Multicontact Primer*. Substrates contaminated with algae and fungi should be cleaned using a cloth or brush and a universal cleaning solution or with high-pressure washers (adjust water pressure and spray angle to avoid damaging the facade). After drying, treat the substrate with a biocidal solution such as *Algenon* or *Algenon Plus*. Wash greasy and heavily soiled areas with a solution of *Kalijev sapun*.
material preparation:	Preparation is done by adding about 26% water to the dry mixture (or 6.5 liters of water per bag), and mixing thoroughly with a propeller mixer until fully homogenized. The mixed mass is left to stand for 5 -10 minutes, then stirred again before application.
material application:	The adhesive is applied with a notched steel trowel or a plastering spatula along the edge of the insulation board, in a width of 5 cm. Additionally, three dabs of adhesive, approximately 10–15 cm in diameter, are placed in the middle of the board. The contact surface between the boards and the substrate should cover 40–50% of the board's surface. For mineral rock wool boards, a thin contact layer should be applied first to reduce dust and facilitate the application of a thicker mortar layer. When installing mineral wool lamellae, the mortar is applied fully across the surface with a smooth steel trowel or plastering spatula. The reinforcing layer is applied by spreading adhesive with a notched trowel in a thickness of 2–3 mm onto the substrate. The *Final glass fibre mesh* is embedded into the fresh adhesive with 10 cm overlaps, and the surface is left to set for 24 hours. After that, another layer of mortar is applied to achieve a finely textured surface without streaks or other irregularities. Leave the mortar to dry completely. Afterward, apply the Finalgrund Uni primer, and 24 hours later, apply paste-like facade plaster or dispersion paint. Immediately after completing the work, clean the tools with water. Follow the current construction standards during the work. When installing the ETICS system, follow the guidelines of the Croatian Association of Thermal Insulation System Manufacturers (HUPFAS). For any questions, please contact the sales-technical advisor of Chromos-Svjetlost.
Drying time of the applied material:	The drying time of the adhesive under normal conditions (air and substrate temperature between +5°C and +35°C, relative humidity up to 80%) is at least 2−3 days, after which anchoring is allowed. The drying time of the reinforcing or leveling layer before applying paste-like plasters or paints is 5−7 days at 20°C and 65% relative humidity.
safety measures:	It is necessary to follow general rules for construction work. Carefully cover the surroundings of the surfaces being coated. Keep out of reach of children. The soluble Cr (VI) content in the cement is maintained below 2 mg/kg (0.0002%) relative to the total dry mass of the cement through the use of reducing agents. The effectiveness of the reducing agent depends on proper storage and adherence to the storage period. See the Safety Data Sheet.
transport and storage:	Store in a dry and well-ventilated place on wooden pallets out of direct sunlight at a temperature of +5 to +25 ° C. Protect it from freezing.
shelf life:	12 months in original sealed packaging.
product/packaging disposal:	Empty the packaging completely and hand over to the recycling yard. Dispose of in accordance with valid regulations to an authorized waste collector.

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quality control	Mortar has been tested at ZAG Ljubljana as a component of ETICS thermal systems produced by Chromos-Svjetlost: FINALIT S and FINALIT MV. Certificate numbers for testing thermal systems at ZAG Ljubljana: 1404-CPR-2572, 1404-CPR-2573, 1404-CPR-2574. Mortar has been tested according to the standard EN 998-1 (Declaration of Performance number: 30) and can be installed independently. The quality characteristics of the product are defined by internal production specifications and European and Croatian standards.
disclaimers:	Before using the product, please check its quality. In case of any major deviations from the declared properties of the product, stop the use and contact the manufacturer; otherwise any subsequent complaints will not be accepted. Technical data are the result of our technical and experimental knowledge, and are provided with the intention of achieving optimal results in working with CHROMOS-SVJETLOST products. The data does not contain a legal or secondary obligation of the manufacturer nor does it release the user from the obligation to check the suitability of the product for particular purpose. Due to the use of natural raw materials in our products, minor deviations from certain values are possible for individual deliveries. Contact our Technical service before use on substrates not listed in the accompanying documentation. The manufacturer reserves the right to make any subsequent changes to the Technical Data Sheet. Only the latest edition is valid. Updated Technical Data Sheets can be found on the website www.chromos-svjetlost.hr or can be requested from the manufacturer via the contact e-mail address below. Contact our Technical service for more detailed information. Be sure to read the safety labels on the product packaging before use. Safety Data Sheet is available on request.

November 2024.

Quality and Environmental management systems certified in accordance with TÜV NORD Croatia; Certificate No: 44 100 134668 / 44 104 134668

CE

Chromos – Svjetlost d.o.o. Mijata Stojanovića 13 35257 Lužani Hrvatska	
EN 998-1:2016	
Declaration of Performance No. 30	
Compressive strenght	CSIV
Capillary water absorption	W_c2
Adhesion	≥0,08 N/mm^2
ETAG 004 used as EAD ETA 15/0306 ETA 15/0307	

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