

ECO-LIGHT 950

DATA SHEET

Lightweight fibre-reinforced cement adhesive-skim coat made from NHL 3.5 natural hydraulic lime for Fassatherm® systems



Interior/Exterior



Sack



By hand



Metal trowel

Composition

ECO-LIGHT 950 is a premixed adhesive made from NHL 3.5 natural hydraulic lime, fibreglass, lightweight expanded glass aggregates, selected sands and specific additives to improve workability and adhesion.

Supply

- special sacks with protection against moisture, approx. 25 kg

Use

ECO-LIGHT 950 is used for cementing and skim-coating insulating panels made of rock wool, calcium silicate or wood fibre in External Thermal Insulation Composite Systems, as well as to embed reinforcing meshes.

Substrate preparation

The substrate must be free from dust, dirt etc.. Any traces of oils, fats, waxes, etc. must be removed beforehand.

Mixing

Add around 8 litres of clean water to each 25 kg sack of ECO-LIGHT 950 and mix by hand or with a mechanical stirrer for no more than 3 minutes until you obtain a mix of the required consistency. To bond the panels, apply the product across the entire surface or around the perimeter and at spots in the centre, then place the panels in a staggered arrangement, making sure that they fit together perfectly and then fix them mechanically using anchors. Skim the surface with a metal trowel with semicircular notches and embed the FASSANET 160 alkali-resistant, fibreglass mesh into it. The finish will be achieved by applying a hydro-silicone, acrylic, acryl-siloxane or silicate coating after at least 2/3 weeks.

Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- Fresh adhesive must be protected from frost and rapid drying. A temperature of +5°C is recommended as the minimum value for application and for proper hardening of the adhesive; below this value setting would be excessively delayed and below 0°C the still fresh or unhardened product would be exposed to the disintegrating action of frost.

ECO-LIGHT 950 it must be used in its original state without the addition of foreign materials.

Storage

Keep dry for a period not exceeding 12 months. Once the product has expired, it must be disposed of in accordance with the current legislation.

Quality

ECO-LIGHT 950 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Specific weight	950 kg/m ³
Thickness as skim coat	5-10 mm
Granulometry	< 1.4 mm
Mixing water	31-33%
Yield as skim coat	approx. 1 kg/m ² per mm in thickness
Yield for bonding (entire surface or perimeter and spots in the centre)	2.8-5.5 kg/m ²
Compressive strength after 28 days	3.5-7.5 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu = 13$ (measured value)
Capillary water absorption coefficient (EN 1015-18)	$W2\ c \leq 0.20\ \text{kg/m}^2\cdot\text{min}^{0.5}$
Thermal conductivity coefficient	$\lambda = 0.31\ \text{W/m}\cdot\text{K}$ (tabulated value)
Compliant with standard EN 998-1	GP-CSIII-W2
Recycled/recovered/by-product content	* CERTIFICATION OF RECYCLED/RECOVERED/BY-PRODUCT MATERIAL CONTENT
	CP DOC 262 REGULATION
	CERTIFICATE No. P684

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.