

ISOLCAP LIGHT 110

READY TO USE, SUPERLIGHT THERMAL INSULATING BASE SCREED

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Ready to use, superlight thermal insulating base screed

COMPOSITION	Selected binders pre-batched at 6.87 lb/ft^3, perfectly spherical virgin expanded polystyrene beads with high thermal insulating properties (∅ 5/64"), mixed with the special E.I.A. additive which allows a perfect mixing, excellent pumping and homogeneous distribution of the beads in the mix, and special additives.
PACKAGING AND STORAGE	· Bags of 74 qt yield. · Pallets of 40 bags. · It is recommended the use within 6 months from the packaging. The product maintains the technical characteristics for over 12 months if conveniently stored (in a dry and fresh place, protected from frost, water and direct sunlight). *It is recommended to use suitable protection devices.*
FIELDS OF APPLICATION	Thermal insulating fluid mortar to be applied on horizontal or sloping surfaces at different thickness, and in partition walls.
CONSUMPTION / YIELD	35.3 ft^3 of lightweight thermal insulating mortar is obtained with 14 bags (depending on the equipment used and the accuracy of the mix).
SURFACE PREPARATION	· Thoroughly clean the laying surface removing residues and dust. · Prepare the level points. · Moisten the laying surface (if absorbent) taking care not to create puddles. · Highly absorbent surfaces (such as hallow brick, etc.): proceed to the perfect cleaning and dusting removal from the laying surface. Apply an adhesion promoter grout and an absorbing reductor composed of cement / Edilstik / clean water (Edilstik / water ratio 1:1). After drying, wet the laying surface and proceed laying the lightweight screed.
APPLICATION	**It can be mixed with:** · Cement mixer. · Mixer type "Turbomalt" or similar. **It can be mixed and pumped on site with:** · Single-phase or three-phase plastering machine, correctly fitted. It is obligatory to contact the *Edilteco Technical Department* or consult "*The Application Manual*". · Politerm® Machine (see Edilteco equipment). · Isolcap Machine (see Edilteco equipment). Hydrate with clean water in a proportion of 4.3 - 4.8 qt per bag. Mix for at least 5 minutes and not more than 10 minutes.
WARNINGS	· Do not apply with temperatures under 41 °F or over 95 °F, or under the direct sunlight. If the application is made under the direct sunlight, necessary precautions must be taken (e.g. net or similar that cover the scaffolding). · It is recommended to lay edge strips of acoustic insulation wider than the floor covering. · **Minimum thickness:** a) *Absorbent surface:* 2". In case of sub-thickness consult "*The Application Manual*" or contact the *Edilteco Technical Department.* b) *Non-absorbent surface:* consult "*The Application Manual*" or contact the *Edilteco Technical Department.* · For detailed application methods consult "*The Application Manual*",or contact *Edilteco Technical Department.* · ***In case of heavy walkability, protect the screed.***

Thermal Insulation & Chemicals Division

EDILTECO group

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TECHNICAL CHARACTERISTICS	Dry density:	6.87 lb/ft^3	-
	Specific weight (dry mortar):	approx. 8.12 lb/ft^3	-
	Thermal conductivity λ_D:	0,043 W/mK	UNI EN 12667
	Compressive strength:	77 psi	UNI EN 1015-11
	Flexural strength:	17 psi	UNI EN 1015-11
	Permeability to water vapour μ:	5,1	UNI EN ISO 12572
	Moisture resistance:	rotproof	-
	Residual humidity after 28 days:	< 2% in volume (2" thick, absorbent surface)	-

All the indications provided in this technical data sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all methods and instructions for use generally referable to "workmanlike" execution. Edilteco S.p.A. reserves the right to change the contents of this mechanical data sheet on its final judgements. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.

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