EDILTECO ORIÊTÊ 825 CÊ 00900 000000	ARIETE ARIETE ARIETE B25CE PRE-MIXED, CE CERTIFIED, LIGHTWEIGHT AND THERMAL INSULATING SCREED
and and a second	AND THERMAL INSULATING SCREED ARIETE 825 CE Pre-mixed, CE certified, lightweight and thermal insulating screed
COMPOSITION	Special hydraulic binders and selected aggregates, pre-mixed at 825 kg/m³, virgin expanded polystyrene beads perfectly spherical with high thermal insulation properties (Ø 2 mm), coated by the special E.I.A. additive, which ensures a perfect mixing, optimal pumpability, and homogeneous distribution of the beads within the mixture, and special additives.
PACKAGING AND STORAGE	 Bags of 45 L 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	 Single-layer lightweight thermal insulating screeds for floor coverings laid with glue (see notes in section 2° page). Not suitable for direct laying of resilient floor coverings. Lightweight and thermal insulating leveling subfloor (with or without falls). Lightening and filling castings. Roof thermal insulation (pitched or flat roofs with or without falls). Suitable for direct laying of prefabricated waterproofing membranes (hot bituminous, cold bituminous, cold synthetic) or solvent-free liquid sheaths.
CONSUMPTION / YIELD	Approx. 0.22 bags/m² for a thickness of 1 cm.
SURFACE PREPARATION	 Thoroughly clean the laying surface removing residues and dust. Lay Piano Zero Profiles (single-layer screeds) or prepare the level points (intermediate levelling subfloor). 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 to lay the lightweight screed. Wet the surface as you proceed with the application of the lightweight screed.
APPLICATION	 It can be mixed with: Mixer drill. Cement mixer. Mixer like "Turbomalt". It can be mixed and pumped on site with: Politerm® Machine (see Edilteco equipment). Isolcap Machine (see Edilteco equipment). Plastering machine (see notes on page 2). Truck mixer and concrete pump. Pump type "Turbosol". Hydrate with clean water in proportion of 7 - 8 L per bag. Mix for at least 5 minutes and no more than 10 minutes (excluding when using a plastering machine).
WARNINGS	 Do not apply with temperatures under +5 °C or over +35 °C, or under the direct sunlight. If the application is made under the direct sunlight, necessary precautions must be taken (e.g. mesh or similar that cover the scaffolding). It is recommended to lay edge strips of acoustic insulation higher than the floor covering.



Edilteco S.p.A. Via dell'Industria, 710 . 41038 San Felice sul Panaro (MO) Italy . Ph. +39 0535 82161 . Fax +39 0535 82970 www.edilteco.com l export@edilteco.it

WARNINGS	 Minimum thicknesses: Absorbent surfaces: 5 cm. In case of sub-thicknesses, refer to the relevant "Installation Manual - Ariete" or contact the Edilteco Technical Department. Non-absorbent surfaces: refer to the relevant "Installation Manual - Ariete" or contact the Edilteco Technical Department. For detailed application methods consult, refer to the relevant "Installation Manual - Ariete". 			
	Dry density:	825 kg/m ³		
TECHNICAL CHARACTERISTICS	Specific weight (dry mortar):	approx. 815 kg/m ³	-	
	Thermal conductivity λ_n :	0,176 W/mK	UNI EN 12667	
	Compressive strength:	≥ 5,0 N/mm² (C5)	UNI EN 13813	
	Flexural strength:	≥ 1,0 N/mm² (F1)	UNI EN 13813	
	Permeability to water vapour μ:	14,0	UNI EN ISO 12572	
	Specific heat capacity kJ/kgK:	1,0	UNI EN 1745	
	Acoustic performance ΔL_{μ} :	19 dB*	UNI EN 12354-2	
	Moisture resistance:	rotproof		
	Fire reaction class:	A2-s1,d0	EN 13501-1	
	Mixing and pumping with plastering machine 220 V • Fit the plastering machine with an expansion tank		for pre-mixed products	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. 		for pre-mixed products	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. 	, a screw and a mixer specific		
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. 	, a screw and a mixer specific amy and homogeneous consis	stency.	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. Adjust the flow meter to obtain a mortar with a creation. 	, a screw and a mixer specific amy and homogeneous consis	stency. rations):	
SPECIAL PROCESSING AND APPLICATIONS	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. Adjust the flow meter to obtain a mortar with a creation. 	, a screw and a mixer specific amy and homogeneous consis of floor covering (specific oper	stency. rations):	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. Adjust the flow meter to obtain a mortar with a creating of the standard strength of the strengt	, a screw and a mixer specific amy and homogeneous consis of floor covering (specific oper LAYING / FLOOF Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of:	stency. rations): R COVERING: Laying with glue of:	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. Adjust the flow meter to obtain a mortar with a creating of the second se	, a screw and a mixer specific amy and homogeneous consis of floor covering (specific oper LAYING / FLOOF Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of: parquet	stency. rations): R COVERING: Laying with glue of: parquet	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. Adjust the flow meter to obtain a mortar with a creating of the second second	, a screw and a mixer specific amy and homogeneous consis of floor covering (specific oper LAYING / FLOOF Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of: parquet yes	stency. rations): R COVERING: Laying with glue of: parquet yes	
	 Fit the plastering machine with an expansion tank, based on polystyrene beads. Keep the loading hopper always full. It is suggested to use the hopper extension. Do not use a compressor. Remove the end nozzle from the material pipe. Adjust the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating of the second secon	, a screw and a mixer specific amy and homogeneous consis of floor covering (specific oper LAYING / FLOOF Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of: parquet yes yes	stency. rations): R COVERING: Laying with glue of: parquet yes yes	

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. Edileco 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.

* Value calculated with 5 cm of Ariete 825 CE and Fonotech 5.



Edilteco S.p.A. Via dell'Industria, 710 . 41038 San Felice sul Panaro (MO) Italy . Ph. +39 0535 82161 . Fax +39 0535 82970 www.edilteco.com l export@edilteco.it DS ARIETE 825 CE . Rev 01/2025 . GB

