SOLCAP FEIN 300 99900 Martine 80	ISOLCAP FEIN 200 Te-mixed, lightweight and thermal insulating subfloor
COMPOSITION	Selected hydraulic binders pre-dosed at 300 kg/m ³ , virgin expanded polystyrene beads perfectly spher- ical with high thermal insulation capacity ($\emptyset \le 2$ mm), enriched with a special E.I.A. product that ensures perfect mixing, optimal pumpability, and homogeneous distribution of the beads in the mixture, along with special additives.
PACKAGING AND STORAGE	 Bags of 70 L yield. Pallets of 44 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 frozen, 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 on page 2). Not suitable for direct laying of resilient floor coverings. Lightweight thermal insulating 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	1 m ³ of lightweight thermal insulating mortar is obtained with 13 - 14 bags (depending on the equipment used and the accuracy of the mix).
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. Non-absorbent surfaces: before applying Isolcap Fein 300, treat the surface with Edilkronos Universal.
APPLICATION	It can be mixed with: • Drill with whisk. • Cement mixer. • Mixer type "Turbomalt". It can be mixed and pumped on site with: • Politerm® Machine (see Edilteco equipment). • Isolcap 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 10 - 11 L per bag. Mix for at least 5 minutes and not more than 10 minutes (except 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	a) Absorbent surfaces: 5 cm, including the spac the underside of the final flooring. For reduced or contact the Edilteco Technical Department. b) Non-absorbent surfaces: consult "Isolcap Ins partment. • For detailed application methods consult "Isolcap I	thicknesses, refer to the "Is tallation Manual" or contact	olcap Installation Manual'
	Dry density:	300 kg/m ³	-
TECHNICAL CHARACTERISTICS	Specific weight (dry mortar):	approx. 315 kg/m ²	-
	Thermal conductivity λ_{p} :	0,078 W/mK	UNI EN 12667
	Compressive strength:	1,61 N/mm ²	UNI EN 1015-11
	Flexural strength:	0,95 N/mm ²	UNI EN 1015-11
	Permeability to water vapour μ :	7,2	UNI EN ISO 12572
	Specific heat kJ/kgK:	1,0	UNI EN 1745
	Acoustic performance ΔL_{w} :	26 dB *	UNI EN 12354-2
	Moisture resistance:	rotproof	-
	Residual humidity after 28 days:	< 2% in volume (5 cm thick, absorbent surface)	
	Fire reaction class:	A2-s1,dO	EN 13501-1
	Drying time for direct laying of floor coverings (scr conditions +20 °C - H.R. 50%), according to the layin · Ceramic, gres, clinker: after approx. 96 hours. · Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V · Fit the plastering machine with an expansion tank,	g surface, the environmento and 380 V:	ıl and weather conditions.
	 conditions +20 °C - H.R. 50%], according to the layin Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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 the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain the flo	ng surface, the environment of and 380 V: , a screw and a mixer specific amy and homogeneous cons	il and weather conditions. c for pre-mixed products iistency.
	 conditions +20 °C - H.R. 50%], according to the layin Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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. 	ng surface, the environment of and 380 V: , a screw and a mixer specific amy and homogeneous cons	il and weather conditions. c for pre-mixed products iistency.
	 conditions +20 °C - H.R. 50%], according to the layin Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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 the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain the flo	ng surface, the environment of and 380 V: a screw and a mixer specific amy and homogeneous cons of floor coverings (specific c	il and weather conditions. c for pre-mixed products iistency.
SPECIAL PROCESSING AND APPLICATIONS	 conditions +20 °C - H.R. 50%], according to the layin Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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 the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain a mortar with a creating the flow meter to obtain the flo	ng surface, the environment of and 380 V: a screw and a mixer specific amy and homogeneous cons of floor coverings (specific c	il and weather conditions. c for pre-mixed products vistency. pperation]:
	 conditions +20 °C - H.R. 50%], according to the layin Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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 screed for direct laying 	and 380 V: and 380 V: a screw and a mixer specific any and homogeneous cons of floor coverings (specific of LAYING / FLO(Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of:	al and weather conditions. to for pre-mixed products distency. Deperation]: DR COVERING: Laying with glue of:
	 conditions +20 °C - H.R. 50%], according to the layint Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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 screed for direct laying 	ang surface, the environment of and 380 V: a screw and a mixer specific any and homogeneous cons of floor coverings (specific of LAYING / FLOO Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of: parquet	il and weather conditions. ; for pre-mixed products ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
	 conditions +20 °C - H.R. 50%], according to the laying Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V Fit the plastering machine with an expansion tank, based on polystyrene beads. Maintain 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 single-layer screed for direct laying 	and 380 V: a and 380 V: a screw and a mixer specific army and homogeneous cons of floor coverings (specific of LAYING / FLOO Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of: parquet yes	al and weather conditions. c for pre-mixed products vistency. operation]: DR COVERING: Laying with glue of: parquet yes
	conditions +20 °C - H.R. 50%], according to the laying Ceramic, gres, clinker: after approx. 96 hours. Floating parquet: after approx. 7 days. Mixing and pumping with plastering machine 220 V • Fit the plastering machine with an expansion tank, based on polystyrene beads. • Maintain 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 single-layer screed for direct laying OPERATION Application of Piano Zero Profiles: Floating with "blade" float: Surface sanding with electrical brush fitted with	and 380 V: a and 380 V: a screw and a mixer specific any and homogeneous cons of floor coverings (specific of Laying with glue of: ceramic / stoneware / clinker / terracotta Floating laying of: parquet yes yes	al and weather conditions. c for pre-mixed products istency. peration): DR COVERING: Laying with glue of: parquet yes yes

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. Editeco 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 obtained in laboratory with 7 cm of Isolcap Fein 300 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 ISOLCAP FEIN 300 . Rev 01/2025 . GB

