



LA CHAPE XXs®

PRE-MIXED SCREED, LIGHTWEIGHT
AND FIBER-REINFORCED, AT LOW THICKNESS

LA CHAPE XXs® Pre-mixed screed, lightweight and fiber-reinforced, at low thickness	
COMPOSITION	Lightweight screed composed of virgin expanded polystyrene beads ($\emptyset \leq 3$ mm), perfectly spherical and with high thermal insulation capacity, pre-activated bead by bead during production with a special E.I.A. additive, aggregates, and special cementitious binders. It features efficient mechanical properties suitable for the renovation of difficult or sensitive surfaces.
PACKAGING AND STORAGE	<ul style="list-style-type: none"> · Bags of 23 L yield. · Pallets of 50 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	The La Chape XXs® screed is designed to lighten structures (twice as light as a traditional screed), providing insulation and thermal and acoustic treatment for various types of substrates, in condominiums or individual houses, for both new construction and renovation projects. It is also suitable for the creation of bonded screeds, thermally insulating leveling substrates, slope formation, and impact noise insulation.
CONSUMPTION / YIELD	12 kg/m ² /cm of thickness. Each 3 cm of thickness, 1 bag = 0,76 m ² .
SURFACE PREPARATION	The La Chape XXs® screed must be applied directly to cementitious surfaces. The substrate must be sound, solid, clean, grease-free, and free of dust or any parts that could compromise material adhesion. The substrate must not have rising damp.
MATERIAL PREPARATION	<p>Mixing options: Using a concrete mixer or a low-speed drill with a whisk (300 rpm) + a container with a wide opening.</p> <p>Preparation with a concrete mixer:</p> <ul style="list-style-type: none"> · Pour 4.0 to 4.5 liters of water into the running mixer. · Add the entire bag of La Chape XXs® product. · Mix for 3 - 5 minutes. · The mixture should be homogeneous and gray in color. · To achieve a uniform mix, do not use more than 60% of the mixer's capacity. · During the first batch, when the mixer is dry, the product may adhere to the walls. Allow mixing to continue for a little longer without adding additional water. <p>Pumping:</p> <ul style="list-style-type: none"> · Properly equipped plastering machine. · Machine for lightweight substrates. · Machine for heavy substrates.
APPLICATIONS	<ul style="list-style-type: none"> · Minimum thicknesses: 1 cm when bonded to pre-treated concrete with a suitable primer, such as Edilkronos Universal / 2 cm when unbonded, with galvanized steel mesh sheets (minimum specifications: wire \emptyset 2 mm - mesh 50 x 50 mm), properly tied together and elevated from the substrate. · Maximum thickness: 15 cm. <p>Drying times: Walkability: 12 hours. Drying time before installing coverings (indicative): 24 hours for ceramic coverings / 36 hours for flexible coverings (minimum 3 mm thickness) / 3 days for floating parquet and laminated flooring.</p> <p><i>Note: These indications refer to conditions of 20°C temperature and 50% relative humidity. Drying times may vary depending on actual drying conditions (temperature and relative humidity).</i></p>



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WARNINGS	<ul style="list-style-type: none"> · Respect the water dosage. · Time of use for the mixture: 30 minutes. · Do not moisten the mortar after the mixing. · The final mixture must be compact, not liquid. · Do not add aggregates or additives into the mixture. The product is ready to use. · Temperatures between + 5 °C and + 30 °C. · Do not use it on supports affected by rising damp. · Do not mix with other materials (cement, lime, etc.). · Do not mix with too much or not enough water. · After the use, clean the machine and the hoses, in order to prevent the material drying. 		
TECHNICAL CHARACTERISTICS	Dry density:	1200 kg/m ³	-
	Fire reaction class:	A1	UNI EN 13501
	Compressive strength:	≥ 12 N/mm ² (C12)	UNI EN 13813
	Flexural strength:	≥ 3 N/mm ² (F3)	UNI EN 13813
	Acoustic performance ΔL_w :	17 dB at 5 cm thick. (estimate)	-

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.