



# LA CHAPE XXs®

PRE-MIXED, LIGHTWEIGHT AND FIBRE-REINFORCED,  
ULTRA LOW-PROFILE SCREED

LA CHAPE XXs® Pre-mixed, lightweight and fibre-reinforced, ultra low-profile screed	
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"> <li>· Bags of 23 L yield.</li> <li>· Pallets of 50 bags.</li> <li>· 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.</li> </ul>
FIELDS OF APPLICATION	The screed La Chape XXs® is intended to lighten the structures (it is twice lighter than a traditional screed) and for the thermal and acoustic insulation of different types of supports, in buildings or individual houses, for new construction or renovation works. It is suitable to receive the laying of other screeds, levelling thermal insulating subfloor, gradient formation and impact noise insulation.
CONSUMPTION / YIELD	12 kg/m <sup>2</sup> /cm of thickness. Each 3 cm of thickness, 1 bag = 0,76 m <sup>2</sup> .
SURFACE PREPARATION	The screed La Chape XXs® must be directly applied on cement surfaces. The support must be solid, clean and free of dust or any loose part that could compromise the perfect adhesion of the material. The support must not be affected by rising damp.
MATERIAL PREPARATION	<p><b>It can be mixed by:</b> Cement mixer or a low-speed drill with whisk (300 rev/min) + container.</p> <p><b>Preparation in cement mixer:</b></p> <ul style="list-style-type: none"> <li>· Pour from 4,0 to 4,5 L of water into the running cement mixer.</li> <li>· Pour the whole bag of La Chape XXs®.</li> <li>· Mix for 3 - 5 minutes.</li> <li>· The mixture must be homogeneous and grey.</li> <li>· In order to obtain a homogeneous mixture, do not use more than 60% of the cement mixer volume.</li> <li>· After the first mixing, when the cement mixer is dry, the product will tend to stick to the sides. Mix for a little bit longer, without adding water.</li> </ul> <p><b>Pumping:</b></p> <ul style="list-style-type: none"> <li>· Plastering machine, correctly equipped.</li> <li>· Machine for lightweight subfloor.</li> <li>· Machine for heavy subfloor.</li> </ul>
APPLICATIONS	<ul style="list-style-type: none"> <li>· <b>Minimum thicknesses:</b> 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 <math>\emptyset</math> 2 mm - mesh 50 x 50 mm), properly tied together and elevated from the substrate.</li> <li>· <b>Maximum thickness:</b> 15 cm.</li> </ul> <p><b>Drying times:</b> Walkability: 12 hours. Drying time for the flooring application (indicative): 24 hours for ceramic flooring / 36 hours for flexible flooring (minimum thickness 3 mm) / 3 days for floating parquet and laminated flooring.</p> <p><i>NB: These informations are indicative, considering a temperature of 20°C and a relative humidity of +50%. The drying time could vary according to these conditions.</i></p>



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