

# LA CHAPE XXs® DUAL TECH



**Dual Tech New Formula: traditional or fluid version.**  
**PRE-MIXED, LIGHTWEIGHT AND FIBRE-REINFORCED, ULTRA LOW-PROFILE SCREED.**

**LA CHAPE XXs® DUAL TECH** - Pre-mixed, lightweight and fibre-reinforced cementitious screed, for ultra low-profile applications. Available in traditional or fluid version.

COMPOSITION	Ready-to-use cementitious screed, lightweight thanks to special aggregates, fibres and expanded polystyrene beads ( $\emptyset \leq 3$ mm), perfectly spherical and with high thermal insulation capacity, pre-coated bead by bead with a special E.I.A. additive. It features very high mechanical properties, making it perfect for renovations and new constructions on all types of substrate.	
PACKAGING AND STORAGE	<ul style="list-style-type: none"> <li>· 23 L bag.</li> <li>· Pallets of 50 bags.</li> <li>· The product maintains its technical properties for over 12 months if properly stored (in a cool, dry place, protected from frost, water and direct sunlight).</li> </ul>	
FIELDS OF APPLICATION	<p>La Chape XXs® Dual Tech screed, applicable in traditional or fluid version, is designed for structural lightening (twice lighter than a traditional screed), as well as for the thermal and acoustic insulation treatment of different types of substrate, in apartment buildings or individual houses, for new construction or renovation works.</p> <p>It is also suitable for bonded screeds, thermal insulating levelling subfloors, slope formation and impact sound insulation.</p>	
CONSUMPTION / YIELD	12 kg/m <sup>2</sup> /cm of thickness. At 3 cm thickness: 1 bag = 0.76 m <sup>2</sup> .	
SUBSTRATE PREPARATION	The substrate must be sound, solid, clean, free from oil, dust, gypsum residues and any parts that could compromise the adhesion of the material.	
PREPARATION	TRADITIONAL SCREED VERSION	FLUID SCREED VERSION
	<p><b>It can be mixed by:</b> Cement mixer or a low-speed drill with whisk (300 rev./min.) + suitable container.</p> <p><b>Preparation in cement mixer:</b></p> <ul style="list-style-type: none"> <li>· Pour from 3.0 to 3.5 liters of water into the running cement mixer.</li> <li>· Pour the whole bag of La Chape XXs® Dual Tech.</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>· During the first mixing, when the cement mixer is dry, the product will tend to stick to the sides. Mix for a little longer without adding further water.</li> </ul> <p><b>Pumping:</b></p> <ul style="list-style-type: none"> <li>· Properly equipped plastering machine.</li> <li>· Machine for lightweight subfloors.</li> <li>· Machine for heavy subfloors.</li> </ul>	<p><b>It can be mixed by:</b> Cement mixer or a low-speed drill with whisk (300 rev./min.) + suitable container.</p> <p><b>Preparation in cement mixer:</b></p> <ul style="list-style-type: none"> <li>· Pour from 4.5 to 5.0 liters of water into the running cement mixer.</li> <li>· Pour the whole bag of La Chape XXs® Dual Tech.</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>· During the first mixing, when the cement mixer is dry, the product will tend to stick to the sides. Mix for a little longer without adding further water.</li> </ul> <p><b>Pumping:</b></p> <ul style="list-style-type: none"> <li>· Properly equipped plastering machine.</li> <li>· Machine for lightweight subfloors.</li> <li>· Rotor-stator pumping machine.</li> </ul>



APPLICATION	<p><b>Minimum thicknesses:</b></p> <ul style="list-style-type: none"> <li>· <b>Absorbent surfaces:</b> 1.0 cm bonded on concrete pre-treated with Edilstik primer (dilution as per TDS).</li> <li>· <b>Non-absorbent surfaces:</b> 1.0 cm bonded on surfaces pre-treated with primer such as Edilkronos Universal.</li> <li>· <b>Stable unbonded surfaces:</b> 2.0 cm. Place galvanized steel mesh sheets (minimum specifications: wire Ø 2 mm - mesh 50 x 50 mm), properly tied together and spaced from the laying surface.</li> </ul> <p><b>Maximum thickness:</b> 15 cm.</p> <p><b>Drying times:</b>  <b>Light foot traffic:</b> 12 hours.  <b>Drying time before laying the floor covering (indicative):</b>  24 hours for ceramic coverings / 3 days for floating parquet and laminated flooring.</p> <p><i>NB: this information is purely indicative and refers to a temperature of +20 °C and relative humidity of +50%; values may vary depending on drying conditions (temperature and relative humidity).</i></p>
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WARNINGS	<ul style="list-style-type: none"> <li>· It is recommended to use suitable personal protective equipment (PPE).</li> <li>· Strictly respect the water dosage.</li> <li>· Time of use for the mixture: 30 minutes.</li> <li>· Never re-wet the mortar after mixing.</li> <li>· Do not add aggregates or additives into the mixture; the product is ready to use.</li> <li>· Application temperatures between +5 °C and +30 °C.</li> <li>· Do not mix with other products (cement, lime, etc.).</li> <li>· Clean the machine and hoses to avoid incrustations or breakages.</li> </ul>
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TECHNICAL CHARACTERISTICS	PROPERTY	TRADITIONAL SCREED VERSION	FLUID SCREED VERSION	STANDARD
	Dry density:	1200 kg/m <sup>3</sup>	1200 kg/m <sup>3</sup>	-
	Fire reaction class:	A2 <sub>fl</sub> -s1	A2 <sub>fl</sub> -s1	UNI EN 13501
	Compressive strength:	≥ 12 N/mm <sup>2</sup> [≥ 12,000 kPa]	≥ 10 N/mm <sup>2</sup> [≥ 10,000 kPa]	UNI EN 13813
	Flexural strength:	≥ 3 N/mm <sup>2</sup> [≥ 3,000 kPa]	≥ 2 N/mm <sup>2</sup> [2,000 kPa]	UNI EN 13813
	Classification:	CT-C12-F3	CT-C7-F2	UNI EN 13813
	Impact sound reduction ΔL <sub>w</sub> :	17 dB at 5 cm thick. (estimate)	17 dB at 5 cm thick. (estimate)	-
	Liquid water permeability:	-	0.168	UNI EN 1062-3:2008
	Water vapour diffusion resistance factor μ:	-	28	UNI EN 12086:2013

SPECIAL PROCESSING AND APPLICATIONS	<b>Single-layer screeds for the direct installation of final floorings:</b>		
	<b>OPERATION</b>	<b>INSTALLATION / FINAL FLOORINGS</b>	
		<b>Bonded:</b> ceramic / porcelain stoneware / clinker / terracotta <b>Floating:</b> wooden parquet	<b>Bonded:</b> wooden parquet
	Levelling with straightedge:	yes	yes
Surface skimming coat with Kronos Autoliv, minimum thickness 5 mm:	no	mandatory	

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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