



# AUTOLIV

PREMIXED SELF-LEVELLING SMOOTHING MORTAR  
FOR THIN-BED APPLICATIONS

## AUTOLIV

Premixed self-levelling smoothing mortar for thin-bed applications

PRODUCT	Premixed self-levelling mineral mortar in powder, ready to use, for manual and mechanical application. <b>Composition:</b> homogeneous mixture of selected aggregates: pure quartz in grain size curve 0,1 - 0,6 mm (80% 0,3 mm), cement Portland 42.5 and special additives.
PACKAGING AND STORAGE	<ul style="list-style-type: none"> <li>· Bag of 25 kg.</li> <li>· Pallets of 60 bags = 1500 kg.</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 frozen, water and direct sunlight). It is recommended to use suitable protection devices.</li> </ul>
FIELDS OF APPLICATION	<ul style="list-style-type: none"> <li>· Levelling of cement base screeds with high resistance: it generates a suitable surface for pvc floor coverings, carpeting, laminated wooden floorings, ceramic, epoxy and polyurethane resins.</li> <li>· Suitable the high-strength straightening / levelling of base screeds prepared with Politerm® Blu and Isolcap (consult "Isolcap - Application Manual"), before the laying of ceramic tiles, porcelained and marbled stoneware, natural stones and wooden flooring.</li> </ul>
CONSUMPTION / YIELD	About 1,7 kg/m <sup>2</sup> for 1 mm of thickness.
SURFACE CONTROL	<p>The surfaces to be levelled must be:</p> <ul style="list-style-type: none"> <li>· Flat, clean, resistant, compact and not friable.</li> <li>· With a difference not higher than 5 mm and not deeper than 10 mm. Otherwise these differences must be levelled before Autoliv application.</li> <li>· Free of dust, salts, substances compromising the right adhesion (eg. greases, bitumen, varnishes, powders, gypsum, old paints, etc.).</li> <li>· With neutral or basic pH value.</li> <li>· With standard degree of water absorption (between 3% and 6%).</li> <li>· Without cracks. Capillary cracks generated by screed dehydration during the setting phase, are accepted. Crack having dimensions &gt; 0,3 - 0,5 mm are not accepted and should be eliminated before the laying of Autoliv.</li> <li>· Dry: residual moisture, measured at 2 - 3 cm of depth, should not exceed the value of 3%.</li> </ul>
SURFACE PREPARATION	<p>After the verification of the support as mentioned above, the surface must be drawn and treated with the latex Edilstik, as follows:</p> <ul style="list-style-type: none"> <li>· <b>Surfaces with medium absorption (from 2% to 5%):</b> apply Edilstik, diluted with clean water in ratio 1:1, approximately 2 hours before the application of Autoliv.</li> <li>· <b>Surfaces with high absorption (from 5% to 8%):</b> apply abundantly Edilstik, diluted with clean water in ratio 1:4. Once dried, proceed with the application of Autoliv.</li> <li>· <b>Surfaces with low absorption:</b> apply, homogeneously, pure Edilstik. Once dried, proceed with the application of Autoliv.</li> </ul> <p>For insulating screeds based on virgin polystyrene from the Edilteco line, consult the Application Manual - Isolcap / Ariete 250 F® and Politerm® Blu.</p> <p><b>Direct application on slab:</b></p> <ol style="list-style-type: none"> <li>1. Apply (with roll, paintbrush or airless) a first coat of Edilstik diluted with clean water in ratio 1:5; in order to avoid the absorption of the hydration water of the mixture.</li> <li>2. Apply polyethylene strips on the perimeter walls.</li> <li>3. After the drying (after about 1 - 2 hours) apply a 2<sup>nd</sup> coat of Edilstik diluted with clean water in ratio 1:1.</li> </ol>



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SURFACE PREPARATION	4. After at least 5 hours proceed to the application of Autoliv. Pay always attention that, between the phase of Edilstik's laying and Autoliv application, the surface does not become dusty.	
PRODUCT PREPARATION	Following the prescribed dosage, mix Autoliv with clean water, always introducing before water and than powder, never change this order. The mixing can be executed with: · Drill with low number of turns (max 500 / min) propeller supplied (for small surfaces). · Horizontal mixer type Turbomalt. · Plastering machine properly equipped. · <i>New</i> Isolcap Mixer 50. Mix the product for about 4 minutes, until obtaining an homogeneous mixture with no clumps. Let the mixture stand for about 10 minutes and than mix again for 1 - 2 min. Apply with an unique solution.	
APPLICATION AND WARNINGS	<ul style="list-style-type: none"> <li>· <b>Optimal thickness:</b> 5 mm. <b>Minimum thickness:</b> 3 mm. <b>Maximum thickness:</b> 10 mm. For thicknesses over 10 mm lay several layers of Autoliv.</li> <li>· <b>Mixing water:</b> about 6,5 / 7,0 L for each bag of 25 kg.</li> <li>· Never apply under direct sunlight, in presence of strong air currents or wind and with temperatures under +5 °C or over +30 °C.</li> <li>· To avoid phenomenon of separation, the mix must be lay immediately.</li> <li>· Do not use the mix if previously separated into the mixing container.</li> <li>· In case of mix prepared into little containers (1 bags at a time), we recommend to prepare them consecutively and to lay them homogeneously, with a time break of 3 - 4 minutes from each other.</li> <li>· After having laid the mix on the laying surface, lay it with a smooth spatule of 60 cm and treat it with suitable tool for breaking the possible bubbles.</li> <li>· The levelling operations must be executed by a maximum of 4 - 5 minutes from the laying and the operator should wear specific shoes with soles equipped with nails of 20 mm length.</li> <li>· After the application avoid a too fast drying, in order to avoid the formation of cracks. If necessary, we suggest to cover it with a polyethylene film. We also suggest to lightly moisten the surface when the mix becomes walkable.</li> </ul>	
WARNINGS	<ul style="list-style-type: none"> <li>· Do not use Autoliv as finishing layer, for surfaces subjected to a heavy traffic or in external applications.</li> <li>· In case of underfloor heating, close the plant at least 24 hours before the application of Autoliv and light it on again only after a complete drying.</li> <li>· Respect any possible joint on the laying surface.</li> </ul>	
TECHNICAL CHARACTERISTICS	Physical aspect:	powder
	Colour:	light grey
	Decomposition temperatures:	-
	Apparent volumetric mass:	≈ 1977 kg/m <sup>3</sup>
	Toxicity:	none
	Inflammability:	none
	Mixing water:	≈ 6,8 - 7,0 L / 1 bag of 25 kg
	Mixing time (pot life):	≥ 20 minutes
	Limit temperature of application:	from +5 °C to +30 °C
	Walkable after:	≈ 24 hours
	Time for laying:	ceramic and terracotta floor: ≈ 24 hours wooden floor, resilient and natural stones: ≈ 72 hours
	Compressive strength after 28 days:	≥ 17 N/mm <sup>2</sup>
	Adhesion on concrete after 28 days:	≥ 0,5 N/mm <sup>2</sup>
	Surface adherence after frost / thaw cycles after 28 days:	≥ 0,5 N/mm <sup>2</sup>
<p>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.</p>		



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