



KRONOS AUTOLIV 5-30

PREMIXED SELF-LEVELLING SMOOTHING MORTAR
FOR LOW-THICKNESS APPLICATIONS - 5-30 mm

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Premixed self-levelling smoothing mortar for low-thickness applications - 5-30 mm

<p>PRODUCT</p>	<p>Premixed self-levelling mineral mortar in powder, ready to use, for manual and mechanical application. Composition: homogeneous mixture of selected aggregates: pure quartz in grain size curve $\leq 1,5$ mm, cement Portland 42.5 and special additives.</p>
<p>PACKAGING AND STORAGE</p>	<ul style="list-style-type: none"> · Bag of 25 kg · Pallets of 48 bags = 1200 kg · It is recommended the use within 12 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.
<p>FIELDS OF APPLICATION</p>	<ul style="list-style-type: none"> · 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. · Suitable the high-strength straightening / levelling of base screeds prepared with Politem® Blu and Isolcap, before the laying of ceramic tiles, porcelained and marbled stoneware, natural stones and wooden flooring.
<p>CONSUMPTION / YIELD</p>	<p>About 1,95 kg/m² for 1 mm of thickness.</p>
<p>SURFACE CONTROL</p>	<p>The surfaces to be levelled must be:</p> <ul style="list-style-type: none"> · Flat, clean, resistant, compact and not friable. · In case of irregular or accentuated grain size surfaces (such as concrete castings, i.e. lean concrete, or sand-cement screeds), before the laying with Kronos Autoliv 5-30, these must be regularized and leveled with suitable smoothing layer. · With a difference not higher than 5 mm and not deeper than 10 mm. Otherwise these differences must be levelled before Kronos Autoliv 5-30 application. · Free of dust, salts, substances compromising the right adhesion (eg. greases, bitumen, varnishes, powders, gypsum, old paints, etc.). · With neutral or basic pH value. · With standard degree of water absorption (between 3% and 6%). · Without cracks. Capillary cracks generated by screed dehydration during the setting phase, are accepted. Crack having dimensions > 0,3 - 0,5 mm are not accepted and should be eliminated before the laying of Kronos Autoliv 5-30. · Dry: residual moisture, measured at 2 - 3 cm of depth, should not exceed the value of 3%.
<p>SURFACE PREPARATION</p>	<p>After the verification of the support as mentioned above, the surface must be drawn and treated with the latex as follows:</p> <ul style="list-style-type: none"> · Surfaces with medium absorption (insulating screeds based on virgin polystyrene from Edilteco line): apply Edilstik, diluted with clean water in ratio 1:1, with technology "fresh on fresh", before the laying of Kronos Autoliv 5-30 (for more details, refer to the manual of use and application). · Surfaces with high absorption (from 5% to 8%): apply abundantly Edilstik, diluted with clean water in ratio 1:4. Once dried, proceed with the application of Kronos Autoliv 5-30. · Surfaces with low absorption: apply, homogeneously, pure EdilKronos Universal. Once dried, proceed with the application of Kronos Autoliv 5-30.



<p>PRODUCT PREPARATION</p>	<p>Following the prescribed dosage, mix Kronos Autoliv 5-30 with clean water, <u>always introducing the water first and than the powder, never the opposite</u>. The mixing can be executed with:</p> <ul style="list-style-type: none"> · Drill with low number of turns (max 500 turns/ min) propeller supplied (for small surfaces). · Horizontal mixer type Turbomalt. · Plastering machine properly equipped. · Isolcap Mixer 50. <p>Pour the $\frac{3}{4}$ of the dough water into a clean bowl, add the powder and mix for about 3 minutes with the machine at low number of turns, gradually adding the rest of the dough water until you get a homogeneous and fluid dough. Apply in a single solution.</p>	
<p>APPLICATION</p>	<ul style="list-style-type: none"> · Minimum thickness: 5 mm. Maximum thickness: 30 mm. · Mixing water: about 3,75 - 4,25 L for each bag of 25 kg. · In winter or with low temperature conditions and high degree of environmental humidity, the mixing water should be reduced by 0.5 litres of water per bag of 25 kg. The operator must nevertheless assess case by case during the laying of the product, to avoid an overdose of water that generates the phenomenon of bleeding/separation of components after laying. · Never apply under direct sunlight, in presence of strong air currents or wind and with temperatures under +5 °C or over +30 °C. · To avoid phenomenon of separation, the mix must be lay immediately. · Do not use the mix if previously separated into the mixing container. · In case of mix prepared into little containers (1 bags at a time), we recommend preparing them consecutively and to lay them homogeneously, with a time break of 3 - 4 minutes from each other. · After having laid the mix on the laying surface, lay it with a smooth spatula of 60 cm and treat it with suitable tool for breaking the possible bubbles. · 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. · After the application avoid a too fast drying, in order to avoid the formation of cracks. If necessary, we suggest covering it with a polyethylene film. We also suggest to lightly moisten the surface when the mix becomes walkable. 	
<p>WARNINGS</p>	<ul style="list-style-type: none"> · Do not use Kronos Autoliv 5-30 as finishing layer, for surfaces subjected to a heavy traffic or in external applications. · De-solidarize the levelling mortar from absorbent surfaces (plasters, perimeter walls, etc.) by using suitable perimeter bands. · In case of underfloor heating, close the plant at least 24 hours before the application of Kronos Autoliv 5-30 and light it on again only after a complete drying. · Respect any possible joint on the laying surface. · The still fresh product must be protected from the weather and from too rapid drying by shielding it from direct sun and wind. 	
<p>TECHNICAL CHARACTERISTICS</p>	<p>Physical aspect:</p> <p>Colour:</p> <p>Apparent volumetric mass:</p> <p>Toxicity:</p> <p>Inflammability:</p> <p>Mixing water:</p> <p>Mixing time (pot life):</p> <p>Limit temperature of application:</p> <p>Walkable after:</p> <p>Time for laying:</p> <p>Compressive strength after (28 days):</p> <p>Flexural strength:</p> <p>Adhesion on concrete after (28 days):</p> <p>Surface adherence after frost / thaw cycles (28 days):</p>	<p>powder</p> <p>light grey</p> <p>≈ 2300 kg/m³</p> <p>no</p> <p>no</p> <p>≈ 3,75 - 4,25 L (15%-17%) 1 bag of 25 kg</p> <p>≥ 30 minutes</p> <p>from +5 °C to +35 °C</p> <p>≈ 24 hours</p> <p>ceramic and terracotta floor: ≈ 48 hours wooden floor, resilient and natural stones: ≈ 7 days</p> <p>C45 (≥ 45 N/mm²)</p> <p>> 7 MPa (F7)</p> <p>≥ 0,5 N/mm²</p> <p>≥ 0,5 N/mm²</p>
<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>		