



# Isolcap kronos

TRADITIONAL FAST DRYING  
CEMENT SCREED



<b>PRODUCT</b>	Premixed screed composed of cement, selected interts and specific additives, suitable for the realization of substrates at quick-medium drying, with controlled shrinkage.
<b>PACKING AND STORAGE</b>	<ul style="list-style-type: none"> <li>• bags of 30 kg</li> <li>• pallets of 42 bags equivalent to 1260 kg per pallet</li> </ul>
<b>SURFACE PREPARATION</b>	<p>the surface must be clean, compact and resistant, dry, with a relative moisture lower than 2%.</p> <p><b>ANCHORED SCREED</b> - minimum thickness 2 cm</p> <ul style="list-style-type: none"> <li>• Apply the product along the perimeter walls and pillars with thicknesses from 4 to 8 mm.</li> <li>• With thicknesses higher than 4 cm, apply an electrowelded net with mesh of 5x5 cm, taking care to keep it raised for a third of the total height of the screed.</li> </ul> <p><b>FLOATING SCREED</b> - minimum thickness 4 cm</p> <ul style="list-style-type: none"> <li>• Lay a waterproof foil on the surface (PVC, polyethylen, etc.) to avoid the formation of folds and pockets. Apply the product along the perimeter walls and pillars with thicknesses from 4 to 8 mm.</li> <li>• With thicknesses higher than 4 cm, apply an electrowelded net with mesh of 5x5 cm, taking care to keep it raised for a third of the total height of the screed.</li> </ul> <p>If the surface presents differences of level, take the necessary precautions to avoid phenomenon of superficial tensions. In both cases is recommended to ventilate the rooms and avoid problems resulting from condensation.</p>
<b>APPLICATION</b>	<p>ISOLCAP KRONOS can be mixed with a cement mixer, continuous mixing machine or manually. The mixture should have a wet consistency equal to a traditional screed.</p> <p>For the mix use 7% of water equivalent to approx. 2 lt per bag of 30 kg.</p> <p>For the mixture in cement mixer put the water first and the material then, by turning up to 2 minutes until you reach the desired consistency.</p>
<b>STORAGE</b>	Store the product in its original packaging. Do not disperse its dust. The properly stored product have to be used within 3 months from the packing date printed on the bag.
<b>CHARACTERISTIC</b>	<p>ISOLCAP KRONOS is a traditional premix based on cement and selected dried sand. It is suitable to the production of 'wet' cement screed to use for the realization of internal floors with high performances and fast drying.</p> <p>Thanks to the constancy of the size grain curve and the quantity of cement it avoids yield losses and hydraulic shrinkage allowing its use also on radiant panel maintaining high mechanical performances, a good thermal conductivity and quick of application.</p> <p>ISOLCAP KRONOS can be used on all types of floor slabs, with or without thermal and/or acoustic insulation and on lightweight screeds. Once dried, any type of coating (wood, ceramic tiles, carpet, plastic coatings, etc.) can be applied on the screed.</p>

<b>TECHNICAL CHARACTERISTICS</b>	Specific weight	1470 kg/m <sup>3</sup> approx.
	Dry density	2000 kg/m <sup>3</sup> approx.
	Minimum thickness to apply	4 cm
	Percentage of water into the mixture	approx. 7 %
	Grain size	0-3 mm
	Yield per thickness of 10 mm	20 Kg/m <sup>2</sup>
	Compressive strenght	> 17 N/mm <sup>2</sup>
	Flexural strenght	4,5 N/mm <sup>2</sup>
	Walkable after	24 h
	pH	>10,5
	Fire resistance class	A1
	Thermal conductivity	1,35 W/m <sup>2</sup> K
	Drying time	approx. 8 days
	Covering with ceramic	after 12 h
Covering with wood and similar	after 24 h	
<b>WARNINGS</b>	<ul style="list-style-type: none"> <li>• Do not mix more than one minute</li> <li>• Do not add water when the product hardens</li> <li>• Verify the residual moisture before the application</li> <li>• It is recommended to use a reactive adhesive based on silane as glue for the parquet.</li> <li>• Do not add extraneous materials</li> </ul>	

All the indications provided in this technical data sheet are purely approximate and not binding for legal purposes. 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 the methods and instructions for use generally referable to "workmanlike" execution.

Edilteco S.p.A. reserves the right to change the contents of this technical data sheet on its final judgement.

The spreading of this data sheet, through any media, supersedes and cancels the validity of any other technical data sheet previously published.

EN rev. 03-2014