



KRONOS

TRADITIONAL QUICK DRYING CEMENT SCREED

KRONOS Traditional quick drying cement screed

PRODUCT	Premixed screed for the realization of internal and external base screeds, with medium-quick drying time, controlled shrinkage, composed of selected aggregates and special additives.
PACKAGING AND STORAGE	<ul style="list-style-type: none"> · Bags of 30 kg approx. · Pallets of 42 bags = 1260 kg per pallet. · Store the product in its original packaging. Do not disperse its dust. The product, conveniently stored, must be used within 6 months from the packaging date, printed on the bag.
APPLICATION FIELDS	<p>ANCHORED SCREED - Minimum thickness 3 cm (suitable surfaces):</p> <ul style="list-style-type: none"> · Fix a perimeter strip of suitable height (dBred LF5 type) around the perimeter walls and pillars. · Place a galvanized mesh Ø 2 mm, 5 x 5 cm up to 4 cm thickness, taking care to keep it up to one third of the total screed's height. · Before the application of the screed, treat the surface with the adhesion promoter latex (Edilstik type). <p>FLOATING SCREED - Minimum thickness 4 cm:</p> <ul style="list-style-type: none"> · Lay a waterproof foil on the surface (PVC, polyethylen, etc.) to avoid the formation of folds and pockets. · Fix a perimeter strip of suitable height (dBred LF5 type) around the perimeter walls and pillars. · Place a galvanized mesh Ø 2 mm, 5 x 5 cm up to 5 cm thickness, caring to keep it up to one third of the total screed's height.
APPLICATION	<p>Surface preparation: The surface must be clean, compact and resistant, dry, with a relative humidity under 2% and not affected by rising damp.</p> <p>Application: Kronos can be mixed with a cement mixer, a continuous mixing machine or manually. The mixture should have a wet consistency like a traditional screed. For the mixing use 7 - 8% of water equivalent to approx. 2,0 - 2,4 L per bag of 30 kg. For the mixing in the cement mixer pour the water first and the material then the material, turning for max 2 minutes, until reaching the desired consistency.</p>
CHARACTERISTICS	<p>Kronos is a traditional premix screed composed of cement and selected dried sand. It is suitable for the production of "wet" cement screed to be used for the realization of internal floors with high performances and fast drying.</p> <p>Thanks to the constant grain size curve and the cement quantity, the product avoids volume losses and water shrinkage, allowing its use on radiant panels with high mechanical performances, a good thermal conductivity and a fast application.</p> <p>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>



Thermal Insulation & Chemicals Division



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TECHNICAL CHARACTERISTICS	Specific weight:	apx. 1570 kg/m ³	-
	Floating screed - minimum thickness to apply:	4 cm	-
	Mixing water:	apx. 7 - 8%	-
	Grain size:	0 - 4 mm	-
	Yield for 10 mm thickness:	17 kg/m ²	-
	Compressive strength:	C25 (≥ 25 N/mm ²)	EN 13813
	Flexural strength:	F5 (≥ 5 N/mm ²)	EN 13813
	Walkable after:	14 hours	-
	Fire resistance class:	A1 _n	EN 13813
	Thermal conductivity λ [tabulated values]:	1,35 W/mK	EN 10456
	Time of use:	45 minutes	-
	Drying time of screed with thickness $\leq 4,0$ cm: according to the thickness, the actual conditions of the laying surface and the environmental and weather conditions.		
	It can be covered with ceramic:	after 48 hours	
	It can be covered with natural stones and marble:	after 72 hours	
It can be covered with wood and similar:	after 7 days		
N.B: these periods of time refer to a base-screed with thickness $\leq 4,0$ cm and a temperature of +23 °C - 50% R.H. and a ventilation ≥ 2 m/sec.			
WARNINGS	<ul style="list-style-type: none"> · Application of soundproof perimeter strips higher than the final flooring. · Do not apply with temperatures under +5 °C or over +35 °C. · 48 hours after the application, make some dividing joints in front of the openings and for surfaces not larger than 25 m². · Do not mix more than 2 minutes. · Do not add water when the product hardens. · Avoid the exposure to air currents. · Before the parquet application verify that the humidity is $\leq 2\%$. · It is recommended to use a reactive silane-based adhesive as glue for the parquet. · Do not add foreign materials. · Any possible casting interruption during the execution of the levelling strips must be realized vertically to the laying surface. · Casting resumption has to be treated with Edilstik latex adhesive promoter, to be used "fresh on fresh". · Contact our Technical Department for different applications, not specified in our manuals or technical data sheets. 		
<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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