



ECAP® SC

Silicone Colour

SILOXANE ANTI-MOLD FINISHING IN PASTE

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<p>PRODUCT</p>	<p>Ecap® SC is finishing in paste, based on siloxane binders in aqueous dispersion, pigmentable and ready to use. It is specific both for interventions on new or existing façades, and as a decorative layer for reinforced smoothing mortar, as well as for wall insulation systems. Thanks to its formulation, it allows a complete protection of the façade from rain and atmospheric agents. The special additives contained in the formula guarantee excellent protection against the attack of mold and algae.</p> <p>Ideal as a finishing where a high degree of vapor permeability is required, such as dehumidifying cycles or breathable insulation systems. In combination with colouring pastes, Ecap® SC ensures good durability, brilliance and colourfulness. Available in 2 types of grain size.</p>
<p>PACKAGING AND STORAGE</p>	<ul style="list-style-type: none"> · Bucket of 25 kg · Store in the original and closed package. Use within 12 months.
<p>CONSUMPTION / YIELD</p>	<p>1,2 mm: 2 kg/m² - 1,5 mm: 2,6 kg/m²</p>
<p>FIELDS OF APPLICATION</p>	<p>Ecap® SC is indicated for the decoration of external surfaces, new or existing, residential, industrial or commercial buildings. It is recommended to use the product on cured supports, i.e. after a maturation period of generally four weeks.</p> <p>It can be applied on the following supports:</p> <ul style="list-style-type: none"> · Thermal insulation systems. · Dehumidifying plasters. · Thermal plasters. · Lime or lime/cement-based plasters. · Reinforced smoothing mortar in façades restoration cycles. · Concrete. · Prefab concrete panels. <p>For application on different supports contact <i>Edilteco Technical Department</i>.</p>
<p>ADVANTAGES</p>	<ul style="list-style-type: none"> · Highly water-resistant: the careful selection of state-of-the-art generation additives gives to the finishing self-cleaning properties. · Workability: the tixotropic of the coating combines an excellent smoothness of the coating with a good adhesion to the support, to minimize the detachments of material. · Excellent vapor permeability: the careful selection of siloxane binders maximizes the property of the coating to make the walls breathe without creating a "barrier effect". · Improved time of workability: Ecap® SC, in standard conditions, allows an easier realization of large façades, thanks to an improvement made to extend the processing time. · Protection against mold and algae: the special anti-mold additives in the formula ensure an excellent degree of protection from the formation of mold and algae. · Wide choice of colors: Ecap® SC can be pigmented in 200 different types of colors.
<p>APPLICATION</p>	<p>Preparation of the support:</p> <p>In case of old surfaces it is necessary to remove any swollen part when they are detached or not sufficiently cohesive, taking care to restore them later by recreating the correct flatness. In case of new surfaces, it is recommended to pre-treat the support with a suitable primer, in order to uniform and decrease absorption. On existing but "crumbling" surfaces, proceed with the application of a high penetration fixative to compact the surface. On uneven surfaces apply a base of Ecap® F.</p>



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APPLICATION	<p>If the support shows mold or algae, pre-treat the affected surfaces with a suitable biocidal product. The support, ready for application, must be clean, flat, cohesive and free from any type of release agent.</p> <p>Preparation of the product: The product is ready to use and can be applied by hand or using specific equipment. It is recommended, in case of a coloured product in medium / strong colors, to mix it with a whisk, in order to soften the mixture and homogenize the paste with pigments.</p> <p>Application: For the application by hand proceed with the preparation of the product using an INOX American trowel on the support. Work it by turning the product in a circular motion. The laying of the non-applied coating in a single processing cycle, in an uneven or discontinuous manner, could easily create chromatic changes or "non-coloured" effects on the texture of the coating. Even the use of different types of spatulas, or working with different circular movements in the application, could compromise the homogeneity of the final yield of the finishing. Make sure that the surfaces being laid are not exposed to direct sunlight, to wind, and that the installation is not carried out in the presence of mists or high levels of air humidity. In the case of direct exposure to sunlight, provide adequate protections to prevent the support from overheating. A correct protection also avoids possible chiaroscuro effects on the color of the coating. Ensure that the ambient and support temperature during application is between +5 °C and +35 °C.</p>			
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	STANDARD REQUIREMENT	REGULATION *
	Aspect:	white paste	-	-
	Dilution:	ready to use	-	-
	Drying time:	3 - 4 hours at +20 °C to the touch 24 hours at +20 °C to complete drying	-	-
	Application temperature:	from +5 °C to +35 °C at 70% H.R.	-	-
	Binder:	siloxane copolymer	-	-
	Specific weight:	1,85 kg/L	-	-
	Filth grip:	low	-	-
	Brilliance:	opaque	-	-
	VOC (Directive 2004/42/CE) for the coating of external walls (Cat A/c):	< 30 g/L of VOC	-	-
	Coefficient of water vapour permeability μ :	V1	V1 (high) V5 (low)	UNI EN ISO 7783/2-2001
	Water absorption:	W2	W1 (high) W3 (low)	UNI EN 1062/3-2001
	Adhesion:	> 0,3 MPa	> 0,3 MPa	ISO 4624:2002
	Durability:	> 0,3 MPa	> 0,3 MPa	UNI EN 13687-3
	Thermal conductivity λ :	0,70 W/(mK)	-	UNI EN 1745
	Fire reaction:	Euroclass A2-s1,d0	-	UNI EN 13501-1
WARNINGS	<ul style="list-style-type: none"> · Do not apply on frozen or thawing supports. · In case of critical supports it is necessary to check them in advance. Contact <i>Edilteco Technical Department</i>. · Store the primer buckets in a place protected from direct sunlight and at temperatures not lower than +5 °C, in order not to compromise the quality of the material. · Always check the material before application, to make sure that the color matches the required one. · Any complaint relating to the color will not be accepted after application. 			

* According to UNI EN 15824.



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<p>WARNINGS</p>	<ul style="list-style-type: none"> · It is not possible to guarantee a drying without colour differences (spots) caused by: <ul style="list-style-type: none"> - the possible different atmospheric and physical conditions of the building; - the correspondence of a scaffolding; - the conditions of the support (such as structure, absorbency, etc.); - the use of natural raw materials. · Protect from direct sunlight and heavy rain for the first 48 - 72 hours. Actual temperature and air humidity can accelerate or slow down the drying process. · Protect eyes and hands during application. · Wash the tools with water after using the product. · For information regarding the correct disposal, storage and handling of the product, consult the <i>safety data sheet</i>.
<p>SPECIFICATION FORM</p>	<p>Ready to use finishing in paste based on siloxane binder, highly water-resistant and excellent vapor permeability certified according to EWI standards. Ideal as an aesthetic / functional decorative cycle on new / old façades, with excellent anti-mold and anti-algae properties.</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>	



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