

RASOPLAN 2-30

MULTIPURPOSE MORTAR

FIBRE-REINFORCED MORTAR FOR RENDERING FLOOR SUBSTRATES AND WALLS, BOTH INDOORS AND OUTDOORS



GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
ALLOWS TO BREATHE	ECO GREEN	RECYCLABLE	MIX MECHANICALLY	STORAGE: IN A DRY PLACE
			APPLY BY INOX SPATULA	

PROBLEM

CORRECT UNEVEN SURFACES



Laying surfaces must be levelled off with a render coat to correct their flatness and slope

SOLUTION

RASOPLAN 2-30 is a premixed powder product which, when mixed with water, yields a mortar which is ideal for compensating and levelling off uneven surfaces.

RASOPLAN 2-30 is formulated with high strength cement, quartz mineral filler, special polymers, synthetic fibres and additives to make it elastic easy to use, combined with its ability to level off substrates with excellent mechanical and abrasion resistance.

APPLICATION FIELDS

RASOPLAN 2-30 is used for levelling off indoor and outdoor walls and floors, on plaster,



cement screeds and concrete. It gives excellent adhesion on all cement surfaces and can be incremented by adding COLLA SEAL or LATISINT latex in the proportion 1: 3 or 1: 2 to the mix water.

ADVANTAGES

- Wide range of applications.
- Fibre-reinforced mortar.
- Single-component, easy to apply.
- Excellent adhesion.



METHOD OF USE

The surface must be compact, clean, without powder or dust, loose parts, old paint, etc.. If the surface is very absorbent, it is best to wet it prior to application.

Gypsum underlying surfaces must first be treated with ISOLFIX G primer.

• MIX PREPARATION

RASOPLAN 2-30 is prepared by mixing the product with right quantity clean water (see table). Pour the powder product into the water and mix with a normal professional mixer, cement mixer or drill on low speed until a uniform paste is obtained with no lumps (1). Do not mix more than is necessary to obtain a creamy, lump free paste. Also, do not add water after the mix has been resting for a long time; doing so may reduce the product's mechanical strength.

• APPLICATION

RASOPLAN 2-30 can be applied with normal stainless steel trowels or straight edges, making sure to drive the mortar hard against the surface to promote adhesion. It can also be sprayed on with a plastering machine for large surfaces. Note that in very hot periods of the year, if the

surface is highly absorbent it should be wet first with water to prevent the binder burning and promote adhesion. The thickness of application ranges from 2 mm to 30 mm (2).

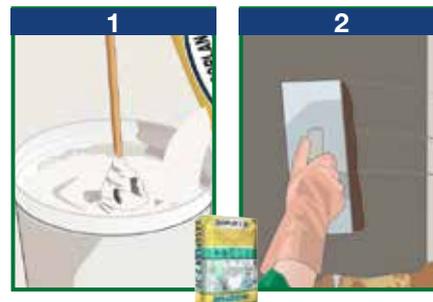
• CONSUMPTION

About 17 kg/m²×cm.

• PRECAUTIONS

- Use cold water in summer and water at approximately 20°C in winter.
- Application temperature from +5°C to +35°C.
- Do not add other materials such as bonding agents, aggregates or additives.
- In hot weather, keep damping the finished mortar surface for at least 8 hours to stop it from drying out too quickly.
- Do not apply to gypsum or anhydrite surfaces.
- Do not apply to wood or resilient surfaces.
- Do not add foreign matter to the product, unless indicated in the technical data sheet.
- Do not add excess water, doing so will reduce its performance
- Wet the surfaces in high temperatures.

- Do not add water once the mix has started to set.
- Avoid sudden temperature changes while the product is setting.
- Store the original closed packaging in a dry place.



TECHNICAL CHARACTERISTICS

	Standard	RASOPLAN 2-30
Appearance		Powder
Colour		Grey
Apparent density	EN 1015-6	1.45 ± 0.05 kg/L
Granulometry		0 ÷ 1 mm
Mixing water		20% ± 1%
Storage in original packaging in a dry place		12 months
Mix properties and workability		
Density of the mix		1.80 ± 0.05 kg/L
Application temperature		+5°C to +35°C
Minimum application thickness		2.0 mm
Maximum application thickness per layer		30.0 mm
Waiting time - for application of ceramic or paints (*)		24 ÷ 48 hours
Application		Manual or mechanical
Performance characteristics	Standard	Product performance
Class and type	EN 998-1	GP
Class and type	EN 13813	CT-C16-F5
Resistance to compression - after 28 days	EN 1015-11	>16.0 N/mm ² - CS IV
Resistance to bending - after 28 days	EN 1015-11	>5.0 N/mm ²
Adhesion to substrate	EN 1015-12	≥1.0 N/mm ² - FP: A
Water absorption through capillarity	EN 1015-18	W0
Water vapour permeability coefficient	EN 1015-19	μ = 20
Thermal conductivity λ_{10,dry}	EN 1745 A.12	0.67 W/mK
Durability	EN 998-1	5.2.3.2 compliant
Thermal resistance - Working temperature		-30°C to +90°C
Reaction to fire	EN 13501-1	A1
Hazardous substances	EN 998-1	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These parameters may vary based on the specific conditions of the worksite: temperature, humidity, ventilation, porosity of the substrate.**

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in **EN 998-1** - Principles for evaluation of the use of products and systems.

The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

25-kg Sacks

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

 <p style="text-align: center;">Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	<p>Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it</p>		 <p>UNI EN ISO 9001</p>	 <p>UNI EN ISO 14001</p>	 <p>index "GBC Italia" Associated</p>	
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