

TECHNICAL DATA SHEET

RASOKOL FINE/MEDIO

Technical Qualities

RASOKOL by OIKOS is a special adhesive screed in powder form, based on cement and inert mineral fillers and available in two versions; Fine (0,6mm) and Medio (0,8mm). It is used as a screed and as an adhesive for the application of panels in thermal insulation systems both on interiors and exteriors. The product is very easy to apply, gives strong adhesion to the support and is excellent for levelling surfaces. RASOKOL is particularly recommended for the gluing of insulation paneling, polystyrene panels, glass fibre, mineral fibres and cork panels as well as for screeding over and covering glass fibre stabilising net. It is ideal for screeding and reparation of damaged and deteriorated plastering, prefabricated panels and fibre cement. It is non inflammable and friendly to both humans and the environment.

Ideal Use

Screed and adhesive for the application of insulation panels and nets for the construction work on exterior walls.

Surface Preparation

Before starting the application of panels, check that the support or base is dry, mature, solid and homogeneous as well as sufficiently flat and free of oil, grease, dust and loose or flaking material. In the case of powdering surfaces, apply as a sealer, NEOKRYLL by OIKOS and wait 4 ÷ 6 hours until dry.

Application Method

RASOKOL should be prepared using a mixer or drill whisk on low speed,, mixing approximately 6 litres of drinkable water with every sack of 25 kg of the product until a creamy, even paste has been obtained. Leave to rest for about 5 minutes before giving it a further quick whisk and eventually correcting the mix. The adhesive mortar that is created is usable for about 4 hours. For the method needed to glue panels, follow the instructions given by the producer of the panels. Approximately 24 hours after having attached the panels, apply an even thickness of about 2 ÷ 3 mm of RASOKOL, and using a steel trowel, sink the fibreglass net into this layer, overlapping the sections of net by about 10cm on each side. A further coat of RASOKOL must be applied after about 24 hours and given a troweled finish as with normal plaster. Do not apply the product in thicknesses exceeding 5 mm. Further coats of finish products can be applied only once the surface has fully matured (after approximately three weeks).

Finishes

Finish products from the Exterior Division.

Technical Characteristics: Application

Dilution:	6 liters of drinkable water per 25 Kg RASOKOL
Yield:	Gluing only on the edges approximately 3 kg/m ² . Glueing on the entire surface approximately 4 kg/m ² . Screeding approximately 1,2 kg/m ² with a thickness between 3 ÷ 5mm
Application tools:	Inox steel trowel
Sealer:	NEOKRYLL by OIKOS
Basecoat:	Solid, dry, mature, homogenous, sufficiently flat and free of oil, grease, dust and loose or flaking material.
Application temperature:	+5°C ÷ +35°C (with relative humidity not exceeding 80%)
Open working time:	4 h (temperature = 20°C with relative humidity at 50%)
Total drying time:	28 days (temperature = 20°C with relative humidity at 75%)
Time until possible to coat over:	21 days (temperature = 20°C with relative humidity at 75%)
Tools cleaning:	Water
Warnings:	<ul style="list-style-type: none"> -Do not use on particularly smooth panels or panels coated with a protective film. -Do not use on metal, wooden, plastic or other similar surfaces that are not ideal nor on surfaces that are subject to strong movement.. -Protect the completed work from the rain or other washing actions and for atleast 7 days from freezing and from strong direct sunlight. -Do not apply on frozen bases or in any case at temperatures of less than +5°C. -The product should only be used by professional. -In the case of the application of eps panels with graffite or panels that re grey in colour, protect the panels during their application by using sheeting that protects against UV radiation. -The product can be applied on gypsum based supports only after having been treated with a specific primer.

Technical Characteristics: Product

Composition:	Premixed mortar in powder form made up of cement, inert mineral fillers of various grain sizes and additives to aid application.
Specific weight:	1,300 ÷ 1,360 kg/l EN 1015-10
Grain size:	Fine = max 0,6 mm Medio = max 0,8 mm
pH:	11 ÷ 12 (in water solution)
Consistency:	Powder
Storage temperature:	+2°C ÷ +36°C. Keep away from the damp
Reaction to fire:	A1
Water absorption:	W2 EN 1015-18
Coefficient of vapour permeability:	≤25μ (EN1015-19)
Adhesion to panels (EPS 100):	>0.1 N/mm ² (break point of panel) ETAG 004
Adhesion to concrete:	≥1 N/mm ² ETAG 004
Adhesion to brickwork:	>0.5 N/mm ² ETAG 004
Adhesion:	≥1 N/mm ² EN 1015-12
Break method:	B EN 1015-12
Colour:	Grey
Packaging:	25 Kg
Certifications:	UNI EN 998-1

Warnings: Keep the product in its original and fully intact packaging, adequately protected from humidity. Use within 6 months from the date of production that is shown on the packaging.

Toxicological Data

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is not considered dangerous if used in a technically correct manner. The product is labelled Xi irritant, R36/37/38, R43. Before use, consult the safety data sheet and take note of the instructions shown on the packaging. Cr VI content less than 2 p.p.m. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements.

Specifications

Clean the surface to be treated, removing any loose or flaking material. New surfaces must be thoroughly dry and mature. In the case of powdering surfaces, use a sealer such as NEOKRYLL by OIKOS. Apply an adhesive such as RASOKOL by OIKOS to glue insulation panels and to screed and cover reinforcing fibre glass nets. Wait 21 days before applying finish products. All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour. Scaffolding not included.

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct.

Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.