

skycolors

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SKYCOLORS

Two-pack anti-acid epoxy grout with glossy colours and delicate finishing. Ideal for areas to be kept perfectly clean. For joints from 2 up to 20 mm in width.

groutings and sealants

TECHNOKOLLA





94/6



24



10-30°C



45 min



2-20 mm



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MAIN CHARACTERISTICS

- Highly resistant against chemicals
- Optimum workability
- Not-absorbent
- Very easy to clean
- It does not yellow
- Anti-stain
- High hardness

ASPECT

Comp. A-thick paste in 24 colours (see card)

Comp. B-viscous liquid

STORAGE

24 months protected by frost and high temperatures (max. 35°C)

FIELDS OF USE

- Grouting ceramic or stone* floor and wall tiles such as: vitreous or marble mosaic, porcelain stoneware, clinker, in places or surfaces subjected to acid aggression, or in places where it is necessary a not-absorbent joint, such as: dairies, tanneries, paper-mills, laboratory tables, abattoirs, industrial kitchens, etc.
- SKYCOLORS can be used as an adhesive (CLASS R2T in accordance with EN 12004) for glueing the above mentioned cladding to iron and fiberglass reinforced plastic.
- Grouting floors subjected to heavy traffic, industrial warehouses, shopping centers, etc.
- Suitable for grouting swimming-pools also if filled with sea-water.

* Before grouting of a natural stone, it is advisable to check if cleanable.

NATURE OF THE PRODUCT

SKYCOLORS consists of two components containing epoxy resins, quartz charges and specific additives. Ask our technical department for the safety brief for further information.

HOW TO PREPARE THE MIXTURE

SKYCOLORS is a reactive grouting compound. This means that it sets through a chemical reaction between the two components, A and B. It is therefore very important to ensure that these components are thoroughly mixed together. Proceed by pouring the liquid (comp. B) into the paste (Comp. A), then stir with a blender fitted with a preferably spiral whisk. The reaction developed by these products is exothermic (heat develops). Remember that if the components are stirred at high speed, the heat developed will considerably speed up the hardening process and, thus, shorten the time it can be worked. The paste obtained is creamy and can be easily applied with a trowel.

groutings and sealants



CONFORMITY



RECOMMENDED ACCESSORIES



TKW 466
Felts and felt holders



TKW 451
Trowel



TKW 481
Sponge



TKW 182
Washing trough

SKYCOLORS GLITTER

All the colours of SKYCOLORS epoxy grouts, except the colour SNOW, can be mixed with golden or silvery glitters in a dosage from 100gr up to 200 gr (for a bucket of 2 kg of Skycolors), depending on the desired brightness.

For an uniform mixture, normally mix components A+B; then add the glitters in two or three times, alternating the mixing by blender with the addition of glitters. To obtain a creamy product, it is possible to add to the mixture some nitre diluent, not exceeding a max. of 80 gr, for each 2 kg of Skycolors. Keep in mind that an excess of fluidity gives the joint less shining and thick.

Note: we do not recommend the use of Skycolors-glitter as an adhesive.

GROUTING OPERATION

Apply SKYCOLORS with a suitable rubber squeegee, and make sure that the gaps are filled completely. Wipe off any excess of material with the edge of the applicator. Squeeze a sponge soaked in water over the grouted surface and, using a felt of medium hardness, emulsify the product by making circular movements taking care to prevent the gap from being emptied. Any excess product can be easily removed with a soft rubber doctor blade. After the cleaning operation, it is very important for the tiles to be completely free from traces of grouting as, once this has hardened, it would be very difficult to remove. The sponge must therefore be rinsed out often with clean water during the cleaning operation.

AVAILABLE COLOURS

100 SNOW	106 INDIA	112 CAMELLIA	118 AQUAMARINE
101 SILK	107 COCOA	113 CYCLAMEN	119 EMERALD
102 PEARL	108 MOKA	114 CORAL	120 AGATA
103 IVORY	109 SUNFLOWER	115 SAPPHIRE	121 MOON STONE
104 ALMOND	110 PAPAYA	116 TURQUOISE	122 PETRA
105 SAHARA	111 POWDER	117 IRIS	123 NIGHT

GROUT COVERAGE gr/m²

TILE in cm	GAPS in mm					
	2	3	4	6	8	10
Vitreous mosaic 2x2x0,38	1500					
2x2x0,4	1300					
5x5x0,4	500	770	1000			
10x10x0,6	380	580	770	1150	1550	1900
7,5x15x0,7	450	680	900	1350	1800	2200
15x15x0,9	380	580	770	1150	1550	1900
20x20x0,9	290	430	580	900	1150	1400
12x24x0,9		540	720	1100	1400	1800
12x24x1,4		840	1100	1700	2200	2800
20x20x0,9	290	430	580	870	1150	1400
20x30x0,9	240	360	480	720	960	1200
30x30x1	210	320	430	640	850	1100
30x60x1	160	240	320	480	640	800
40x40x1	160	240	320	480	640	800
50x50x1	130	190	260	390	510	640
60x120x1,1	90	130	180	270	350	440

FORMULA TO CALCULATE THE CONSUMPTIONS

$$A \times B \times \left[\frac{C + D}{C \times D} \right] \times 160 = \frac{\text{gr}}{\text{m}^2}$$

in mm in cm



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WARNINGS AND RECOMMENDATIONS

- do not attempt to use random percentages of the product: an incorrect catalysis ratio would compromise the hardening process
- do not use the product after it becomes difficult to apply. Prepare a fresh mixture
- wear rubber gloves at all times when using the product
- the amounts required refer to the following types of tiles: single-fired tiles, split tiles, refined porcelain stoneware.
- do not use on porous surfaces (e.g.: cotto)
- do not use SKYCOLORS when there is water in the gaps
- do not use dark colours on unglazed split tiles
- do not use for grouting that is subject to movements
- do not wash with acid or strong oxidizing substances during application

TECHNICAL DATA	VALUE	STANDARD	NORM
Mixing ratio	(A:B) 94:6		
Temperature during application	min. +10°C, max +30°C		
Specific weight of the mixture	1,6 Kg/lt		
Ageing time	3 min		
Pot life	*50 min		
Walkable after	*24 h		
Surface can be used after	*4 days		
Thermal resistance	from -20 °C to + 100°C		
Abrasion resistance	160 mm ³	≤ 250 mm ³	EN 12808-2
Resistance against flexion after dry storage	38 N/mm ²	≥ 30 N/mm ²	EN 12808-3
Resistance against compression after dry storage	58 N/mm ²	≥ 45 N/mm ²	EN 12808-3
Shrinkage	0,8 mm/m	≤ 1,5 mm/m	EN 12808-4
Water absorption after 240 min.	0,05 gr	≤ 0,1 gr	EN 12808-5

* these times are referred to a temperature of 23°C – 50% r.h. They are shorter at higher temperatures and longer at lower ones

SPECIFICATION

Ceramic floor and wall tiles should be grouted with an antiacid epoxy based grouting such as Technokolla's SKYCOLORS, which can be used to fill gaps up to 20 mm in width.

Technokolla reminds you to examine the “**notes**” document that completes the information in this data sheet. The document can be downloaded in the pdf format.

The advice about technical matters and applications in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, are the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation to third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.

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CHEMICAL RESISTANCE OF CERAMIC TILING GROUTED WITH SKYCOLORS*

TECHNICAL SPECIFICATIONS				
GROUP	NAME	CONCENTRATION %	CONTINUOUS SERVICE 20°C	DISCONTINUOUS SERVICE 20°C
ACIDS				
	Acetic	2,5	+	+
	"	5	(+)	+
	"	10	-	-
	Hydrochloric	37	(+)	+
	Chromic	20	-	-
	Chromic	10	-	-
	Formic	2,5	+	+
	"	10	-	-
	Lactic	2,5	+	+
	"	5	(+)	+
	"	10	-	(+)
	Nitric	25	(+)	+
	"	50	-	-
	Oleic		-	-
	Phosphoric	50	(+)	+
	"	75	-	-
	Sulphuric	1,5	+	+
	"	50	(+)	+
	"	98	-	-
	Tannic	10	(+)	+
	Tartaric	10	+	+
	Oxalic	10	+	+
ALKALIS AND SATURATED SOLUTIONS				
	Ammonia	25	+	+
	Caustic soda	50	+	+
	Potash	50	+	+
	Sodium hypochlorite			
	Active chlorine	6,5 g/l	(+)	+
	Active chlorine	162 g/l	-	-
SATURATED SOLUTIONS				
	Sodium hyposulphite		+	+
	Sodium chloride		+	+
	Calcium chloride		+	+
	Ferrous chloride		+	+
	Aluminium sulphate		+	+
	Sugar		+	+
	Hydrogen peroxide	1	+	+
	"	10	+	+
	Sodium bisulphite		+	+
OILS AND FUELS				
	Gasoline		+	+
	Petroleum		+	+
	Diesel fuel		+	+
	Olive oil		+	+
SOLVENTS				
	Ethyl alcohol		+	+
	Acetone		-	-
	Glycol		+	+
	Glycerine		+	+
	Perchloroethylene		-	-
	Trichloroethane		-	-
	Trichloroethylene		-	-
	Methylene chloride		-	-
	Toluol		-	-
	Benzol		-	-
	Xylol		-	-

KEY: + Optimum resistance (+) Fair resistance - Poor resistance

* The table of the chemical values does not concern the Skycolors-Glitter .