

skycolors shine

03/09 211



SKYCOLORS SHINE

Three-pack anti-acid epoxy grout
with shining colours.

Ideal for areas to be kept perfectly clean. For
joints from 2 up to 20 mm in width.

**groutings
and sealants**

TECHNOKOLLA®





91/9



6



10-30°C



50 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
 Shining colours

ASPECT

Comp. A: thick paste in 6 colours (see card)
 Comp. B: viscous liquid
 Comp. C: powder in 6 colours

STORAGE

24 months in a dry place with temperatures between 10° and 30°C

FIELDS OF USE

- Grouting ceramic or natural stone* floor and wall tiles such as: vitreous or marble mosaic, porcelain stoneware, klinker.
- In places or surfaces subjected to acid aggression such as: wellness centres, thermal baths, swimming-pools, baths, kitchens, 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 SHINE consists of three components containing epoxy resins, quartz charges and specific additives. Ask our technical department for the safety brief for further information.



CONFORMITY



RECOMMENDED ACCESSORIES



TKW 484
White soft felt



TKW 451
Trowel



TKW 483
Sponge



TKW 189
Washing trough
with 3 rollers

HOW TO PREPARE THE MIXTURE

SKYCOLORS SHINE 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. Once mixed the comp. A and B, pour the component C up to a homogeneous paste is obtained.

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

150 GOLD

153 STARDUST (colour with phosphorescent effect*)

151 SILVER

154 MOONLIGHT (colour with phosphorescent effect*)

152 SEASHELL

155 BLACK STAR

* To obtain a phosphorescent effect, the product must be "charged with light"; therefore it has not to be applied in a place never exposed to artificial or sun lights.

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 shine 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

SPECIFICATION

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

GROUT COVERAGE gr/m²

TILE in cm	GAPS in mm					
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



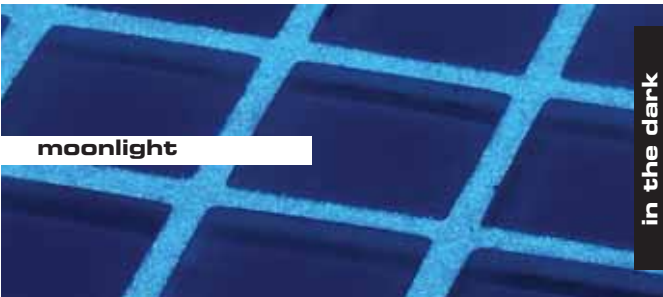
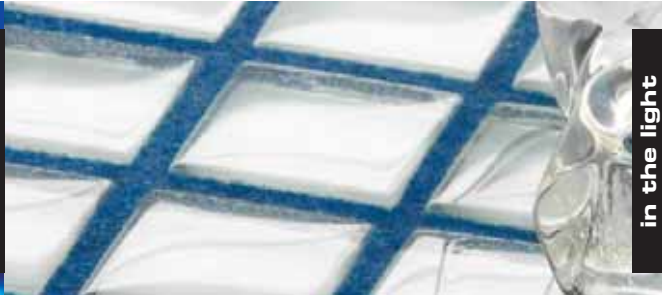
TECHNICAL DATA	VALUE	STANDARD	NORM
Mixing ratio	(A:B) 91:9		
Temperature during application	min. +10°C, max +30°C		
Specific weight of the mixture	1,6 Kg/lt		
Ageing time	3 min		
Pot life	*50 min		
Walkable after	*24 h		
Surface can be used after	*4 days		
Thermal resistance	from -20 °C to + 100°C		
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

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 SHINE

TECHNICAL SPECIFICATIONS				
GROUP	NAME	CONCENTRATION %	CONTINUOUS SERVICE 20°C	DISCONTINUOUS SERVICE 20°C
ACIDS				
	Acetic	2,5	+	+
	"	5	(+)	+
	"	10	-	-
	Hydrochloric	37	(+)	+
	Chromic	20	-	-
	Citric	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