

## 100% COLOUR FAST 3-COMPONENT EPOXY GROUTING SYSTEM

### Characteristic product properties

- 100% colour fast.
- Superior processing and easy to clean.
- Formula prevents the joint of sagging.

### Applications

PROF 123 omnifill is an abrasion-resistant 3-component epoxy grouting system that is 100% colour fast and ensures superior processing and cleaning. \*Suitable for ceramic wall and floor tiles, mosaic glass and natural stone. Applications include house construction, swimming pools, wash stations, sanitary facilities, food industry, institutional kitchens and slaughterhouses.

### Alternative products/applications

- On contact with other chemicals than in the resistance list: ELV 123 omnifill.

### Special preparation/preparing the surface

- The substrates/joints have to be completely dry and free from grease and dust.
- Epoxy resins do not adhere to wet substrates.
- The joints have to be sufficiently scraped out before application.
- Before grouting, the tile adhesive must be fully cured.
- The surface temperature must be higher than 4° C and lower than 35° C.
- The ideal processing temperature is 21° C.
- \*It is possible that some types of soft, polished natural stone or delicate (glass) tiles may become scratched during grouting due to the presence of sand. For this application, the so-called 'pipe method' is used or epoxy pistols are used. When used on (porous) natural stone it is recommended to test the joint first regarding of concerning 'staining'. Continue to carry out small tests first before starting to grout. Light colours may darken and dark colours may slightly fade from direct UV exposure in exterior applications. Use gloves and ensure that there is adequate ventilation during processing and curing.

### Processing instructions

Do not mix with water!

To prevent colour variations, use per space only colours with identical batch numbers.

Do not make more material than can be processed during the indicated 'pot life'.

- Open the sachets with liquid component 1 and component 2 and squeeze them empty (component 1 first, then component 2) in a clean mixing bucket. To remove all the remaining liquid: fold the sachet double from the top to the bottom and squeeze completely empty against the inside of the bucket.
- Mix the liquids thoroughly, then add the powder (component 3) and mix the 3 components with a slow speed mixer (< 300 RPM). Minimum mixing time 3 minutes.
- For narrow joints you can add 10% less sand (component 3) in order to obtain a more fluid grout.
- Apply the ready-to-use grouting material within the processing time diagonally and 'full and saturated' in the joints using a firm rubber grout float.
- Remove directly after grouting all excess grouting material diagonally at a 90° angle with a firm rubber grout float.

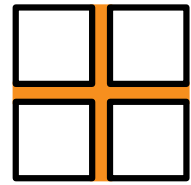


Globally Proven  
Construction Solutions

100% colour fast  
grouting mortar



ITEM	TIME		
	4° C	21° C	35° C
Working time	120 minutes	80 minutes	30 minutes
Ready for light foot traffic	24 hours	12 hours	6 hours
Ready for heavy foot traffic	48 hours	24 hours	12 hours
Stain resistance, food spills, household cleaners	14 days	7 days	3 days
Full cure	28 days	14 days	7 days
Temperature resistance: -30° C to +100° C			



#### Cleaning the treated surface

Always use clean tap water, clean sponges and the supplied cleaning agents.

#### Initial wash

Wait approximately 20 minutes before cleaning. Wait longer at colder temperatures.

- Mix the first sachet of cleaning agent with approx. 8 litres of clean tap water until the powder is completely dissolved. Divide this solution into equal parts so that every 5 m<sup>2</sup> can be cleaned with a new/clean part.
- Clean and emulsify the joints and the tile surfaces by making rotating movements with a slight pressure, in such a way that the grouting material is released from the tile surface and the joint surface becomes smooth.
- Clean the tile surface diagonally with a clean sponge to remove excess grout. Use each side of the sponge only once and clean the sponge after each movement. Always use a new sponge as soon as the sponge feels 'rubbery' and is saturated with residue/excess grout.

#### Final wash

Wait for approximately 1 hour after the first cleaning before starting the final wash.

- Mix the last sachet of cleaning powder with approximately 8 litres of clean tap water until the powder is completely dissolved. Also divide this final cleaning solution into equal parts so that every 5 m<sup>2</sup> can be cleaned with a new/clean part.
- Follow the same procedure as in the first wash, optionally by using a white nylon pad.
- Clean the tile surface diagonally with a sponge to remove the remaining residue/haze. Use each side of the sponge only once and clean the sponge after each movement.
- Clean the surface with clean tap water and let it dry. Check the grout surface for irregularities and if necessary repair with fresh grouting material.
- Shortly thereafter it may be useful to remove the still moist residue/ haze with a well-wrung clean cloth or cellulose paper.
- Remove stubborn remaining residue/ haze by cleaning it within 24 hours with a mixture of 8 litres of water and 118 ml of white vinegar. With polished tile types, use a test area/tile first to check the results.
- Unlike a haze of cementitious grout, PROF 123 omnifill can hardly be removed after 24 hours. Ensure there is adequate lighting when you check the end result as the surface must be completely dry during checking.
- Protect the surface and do not use it for at least 12 hours at 21° C.
- Do not expose the joints to (acidic) cleaning agents for 7 days.
- For swimming pools and/or underwater applications, wait 7 days (21° C) before filling them with water, or 10 days (21° C) before using steam cabins.

#### Protection

Protect the tiling against dirt and dust and do not leave water on it before covering it.

#### Tools used for processing

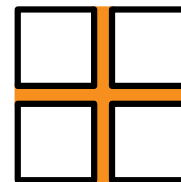
- Clean buckets
- Mixer (< 300 RPM)
- Trowel
- Hand sponge
- Firm epoxyrubber grout float

#### Tools used for cleaning

- Clean buckets
- Clean water
- Additional hand sponges (floor)
- White scrub pad
- Cloth or cellulose paper (optional for wall)

#### Consumption

CONSUMPTION PER SET	JOINT WIDTH			
	1,5 MM	3 MM	4,5 MM	6 MM
TILE SIZE (MM)				
50 x 50 x 5	10 m <sup>2</sup>	5 m <sup>2</sup>	3,3 m <sup>2</sup>	2,5 m <sup>2</sup>
100 x 100 x 7,5	13 m <sup>2</sup>	6,5 m <sup>2</sup>	4,3 m <sup>2</sup>	3,3 m <sup>2</sup>



CONSUMPTION PER SET	JOINT WIDTH			
150 x 150 x 9	16,2 m <sup>2</sup>	8,1 m <sup>2</sup>	5,4 m <sup>2</sup>	4 m <sup>2</sup>
200 x 200 x 9	21,5 m <sup>2</sup>	10,7 m <sup>2</sup>	7,2 m <sup>2</sup>	5,4 m <sup>2</sup>
300 x 300 x 9	32,1 m <sup>2</sup>	16,1 m <sup>2</sup>	10,7 m <sup>2</sup>	8 m <sup>2</sup>
400 x 400 x 9	42,8m <sup>2</sup>	21,4 m <sup>2</sup>	14,3 m <sup>2</sup>	10,7 m <sup>2</sup>
600 x 600 x 9	64 m <sup>2</sup>	32 m <sup>2</sup>	21,3 m <sup>2</sup>	16 m <sup>2</sup>
<b>(GLASS) MOSAIC</b>				
15 x 15 x 3	5,5 m <sup>2</sup>	2,8 m <sup>2</sup>		
20 x 20 x 3	7,1 m <sup>2</sup>	3,6 m <sup>2</sup>		
23 x 23 x 3	8,1 m <sup>2</sup>	4 m <sup>2</sup>		
25 x 25 x 3	8,7 m <sup>2</sup>	4,3 m <sup>2</sup>		

\*Calculations are approximations. No rights can be derived from these.

### Product composition

PROF 123 omnifill is a highly durable and waterproof 3-component grout based on epoxy resin, epoxy hardeners and a powder component.

### Technical properties

- Delivery form : 3 components in 2 packages  
- component 1 & 2: resin and hardener: liquid  
- component 3: powder
- Colours : 24
- Water resistance : completely moisture resistant and waterproof

### Packaging method

PROF 123 omnifill is supplied in 2 packages:

- PROF 123 omnifill component 1&2 with a net content of 1,2 kg and 2 cleaning agents
- PROF/ELV 123 omnifill component 3 with a net content of 4,1 kg

### Storage and shelf life

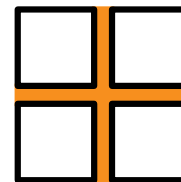
PROF 123 omnifill component 1 & 2 has a shelf life of 24 months in the closed, original packaging (> 0° C and < 35° C) PROF/ELV 123 omnifill component 3 has an unlimited shelf life, provided it is stored dry.

### Health/Safety

PROF 123 omnifill component 1 & 2 has irritant properties. For detailed information we refer to the safety data sheet.

### Resistance list

CHEMICAL NAME	CONTINUOUS EXPOSURE	REGULAR EXPOSURE	INCIDENTAL EXPOSURE
	(7 DAYS)	(24 HOURS)	(30 MIN.)
Uric acid	+	+	+
Lactic acid 5% (milk)	+	+	+
Acetic acid 5% (vinegar)	+	+	+
Formic acid 3%	-	+	+
Citric acid 5%	+	+	+
Tannic acid 50%	+	+	+
Gerbsäure bis 50%	+	+	+
Sulphuric acid 20% *	-	+	+
Benzoic acid 5%	+	+	+



Oxalic acid 10%	+	+	+
Potassium permanganate 10%	+*	+*	+*
Potassium permanganate 1%	+*	+*	+*
Sodium hypochlorite 5% **(bleaching agent)	-	+	+
Potassium hydroxide 45%	+	+	+
Distilled water	+	+	+
Mineral water	+	+	+
Sea water	+	+	+
Methanol	-	-	+
Ethanol 10% (wine, beer)	+	+	+
Ethanol 96 %	-	+	+
Isopropanol	+	+	+
Methyl ethyl ketone or butanone	-	-	+
Xylene	+	+	+
Toluene	-	+	+
Methylene chloride	-	-	-
Chloroform	-	-	-

\*: staining occurs after exposure

+: resistant

-: not resistant

*This technical data is based on many years of practical experience and laboratory research. We cannot be held liable for the work produced in accordance with our systems since factors on which we cannot make an assessment or influence also determine the final result. We guarantee that this product is always supplied in a quality that remains the same. If you have any doubts, we recommend performing tests yourself.*