



UNI EN ISO 9001:2008  
Quality System Certified Company



According to European Standard  
EN 12004 - EN 13888

## TECHNICAL DATA SHEET PRODUCT

# GENERALKOLL COLORFUGA epoxy sealant

*bi-component epoxy sealant, antiacid,  
for grouting and filling joints of  
ceramic tiles, marble, granite,  
natural stones*

### DESCRIPTION

Bi-component product (base + catalyst) based on epoxy resins and selected quartz for an easy application even for sealing and grouting vertical joints. Washable with water during laying.

Very good adhesion on different kind of support, good chemical and mechanical resistance and lack of micro-slits because it hasn't shrinkage.

The product comply with the European Standard CE EN 12004 and EN 13888 Rules

### FIELDS OF USE

- Sealing of joints of wall and floor tiles for joints of 3 to 10 mm. width
- Sealing of joints of wall and floor tiles for food industry, restaurants, bars, hotels
- Sealing of joints of swimming pools (also containing thermal waters)
- Gluing of tiles, thresholds, windowsills, draining channels
- Gluing of workbenches and worktops and sealing of respective joints
- Gluing of slabs, pipes, compound pieces of ceramic, marble, granite, natural stone and concrete elements

### WARNING

- do not use in presence of water into the joints;
- do not use on tiles dirty of cement, oils, grease, dust, etc.;
- do not use dark colour sealants on unglazed Clinker tiles;
- do not use for grouting highly absorbing materials;
- do not use for sealing subject to movements;
- do not use for tanks containing not provided substances;
- do not wash with acids or strong oxidizers during the application;
- avoid the standing of the cleaning water on the grouts only just made;
- the prolonged contact with acids and oxidizers can make little colour change.

### HOW TO USE

#### PREPARING THE SURFACE:

Clean carefully the joints and remove any trace of dust and friable parts, traces of cement, gypsum, grease, etc.

#### PREPARING THE TEXTURE:

Mix carefully the component A together with the component B collecting all the hardener/catalyst by means of a putty knife. A perfect mixing will be obtained by using a drill fitted with the proper helical tool having care to scrape the walls of the container more times.

**Never add water or solvents to make the application easier.**

#### USING COLORFUGA AS SEALANT:

Apply by using a hard rubber putty knife or metal putty knife.

#### USING COLORFUGA AS ADHESIVE:

After the two components have been mixed as above, spread the adhesive by means of a toothed putty knife. Bond the materials together making pressure to let the materials are well "wetted" by the adhesive.

#### CLEANING THE JOINTS AFTER SEALANT APPLICATION:

When the grouting is still fresh, clean by hard sponge, often rinsed by clear water (better if hot water).



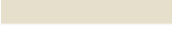


















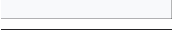

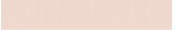
For washing/cleaning when the seal is already started, add to the rinsing water a 10% of denatured alcohol. Once the grouting has hardened the cleaning of the joint will be possible only mechanically.

## PERFORMANCE

resistance to humidity	very good
resistance to ageing	very good
resistance to oil	very good
resistance to acid	very good
resistance to alkali	very good
resistance to temperature	from -20°C (-4°F) to +140°C (+284°F)
resistance to pull (after 7 days)	20 kg/cm <sup>2</sup>

## CHEMICAL RESISTANCE OF THE SEALING OF CERAMIC FLOORS AND WALLS SEALED WITH *COLORFUGA SIGILLANTE EPOSSIDICO*

legenda: + = very good resistance (+) = quite good resistance - = poor resistance

GROUP OF SUBSTANCES	NAME	CONCENTRATION	CONTINUOUS SERVICE AT 20°C (68°F)	INTERMITTENT SERVICE AT 20°C (68°F)	COLOUR REFERENCE RAL REFERENCE NUMBERS <i>THE COLORS SHOWN MUST BE CONSIDERED JUST A MERE INDICATION</i>
<b>ACIDS</b>	Acetic	2,5%	+	+	 RAL 1001 beige  RAL 1011 beige brown  RAL 1013 oyster white  RAL 1015 light ivory  RAL 1017 saffron yellow  RAL 1018 zinc yellow  RAL 3012 beige red  RAL 3014 antique pink  RAL 3018 strawberry red  RAL 4003 heather violet  RAL 5012 light blue  RAL 5017 traffic blue  RAL 5020 ocean blue  RAL 6019 pastel green  RAL 6024 traffic green  RAL 6034 pastel turquoise  RAL 7035 light grey  RAL 7037 dusty grey  RAL 7040 window grey  RAL 8017 chocolate brown  RAL 8024 beige brown  RAL 9003 signal white  RAL 9004 signal black  BAHAMA BEIGE
		5%	(+)	+	
		10%	-	-	
	Hydrochloric	37%	(+)	+	
	Chromic	10%	-	-	
	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%	+	+		
<b>ALKALI and SATURATED SOLUTIONS</b>	Ammonia	25%	+	+	
	Sodium Hydroxide	50%	+	+	
	Caustic Potash	50%	+	+	
	Sodium Hypochlorite Active Chlorine	6,5 g/l.	(+)	+	
		162 g/l.	-	-	
	Sodium Hyposulphite		+	+	
	Sodium Chloride		+	+	
	Calcium Chloride		+	+	
	Iron Chloride		+	+	
	Aluminium Sulphate		+	+	
Sugar		+	+		
Hydrogen Peroxide	1% to 10%	+	+		
Sodium Bisulphite		+	+		
<b>OILS and FUELS</b>	Gasoline		+	+	
	Petrol		+	+	
	Diesel		+	+	
	Olive Oil		+	+	
			+	+	
<b>SOLVENTS</b>	Ethyl Alcohol		+	+	
	Acetone		-	-	
	Ethylene Glycol		+	+	
	Glycerin		+	+	
	Perchloroethylen		-	-	
	Methylene Chloride		-	-	
			-	-	



<b>TECHNICAL DATA</b>	<b>Component A</b>	<b>Component B</b>
Physical state	(base) paste	(hardener/catalyst) thick liquid
Colour	(see colour reference table)	amber
Specific gravity	1,65 ±0,5 kg/l.	0.95 kg/l.
Flammability	no	no
Toxicity	irritant	corrosive
Preservation (into the original sealed packing)	12 months	12 months

**Mixing ratio Component A : Component B = 94 : 6**

<b>TEXTURE</b>	
Aspect of the texture	thick paste
Time of use of the texture (pot life)	40-45 minutes at 25°C (77°F)
Open time	30 minutes about
Adjusting time	30 minutes
Temperature of application	from +12°C to +30°C (53.6°F to 86°F)
Practicability of the surface	after 24 hours at 25°C (77°F)
Complete curing (completed catalysis after...)	15 days (at 20°C - 68°F)
Resistance to temperature (after curing)	after 15 days from -20°C to +140°C (4°F to 284°F)

**LIMITATION OF LIABILITY** The data provided derive from published information or from our own laboratory tests. The information provided here must be considered as a guideline and not as any form of performance guarantee. Liability for defective products, when verified, is limited to the refund of the purchase price since the application of the product is beyond the control of the manufacturer or supplier.