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Properties:		AKEPOX [®] 1006 is a very fluid two-component epoxy resin system with a modified amine hardener which is used for firmly closing cracks and pores. The product has the following properties:
		 can be worked for a long period of time has highly penetrative properties on account of its low viscosity excellent colour deepening effect transparent and pale solvent-free weather-resistant good grinding and polishing properties increases the firmness and improves the quality of natural stone surfaces increases the yield and the productivity classification according to the Berufsgenossenschaft der Bauwirtschaft (Accident Prevention and Insurance Association of the German Building Industry): GISCODE: RE 01
Application areas:		AKEPOX [®] 1006 is mainly used in the stone-working industry for strengthening porous and fissured natural stone slabs, concrete and concrete ashlars where a colour deepening effect is required. The hardened product shows only a minimal tendency to yellow if exposed to ultraviolet light or to warmth.
instructions for use:	1.	The stone slabs which are to be treated must be pre-calibrated according to their nominal thickness and must be clean and dry.
	2.	Four parts by weight of component A are to be thoroughly mixed with one part by weight of component B (e.g. 100 g and 25 g) until the mixture is free of streaks. Alternatively, seven parts by volume of Component A are to be mixed with two parts by volume of Component B (e.g. 175 ml and 50 ml); Large amounts can be worked more easily with a dosing and mixing apparatus for Akepox products.
	3.	AKEPOX® colouring concentrates or Stone Ink can be used for colouring if required (max. 5 %).
		The mixture remains workable for approx. 2 hours at 20°C and is applied to the whole surface with a fine-toothed spreader; apply more than once in the event of larger fissures or areas of greater absorption. Close continuous fissures on the rear side before application.
	5.	The surfaces can be ground and polished after approx. 2 days at room temperature.
	6.	The contact pressure of the grinding and polishing segments should be maxi mum 1 to 1.5 bar.
	7.	Tools can be cleaned with AKEMI Universal Dilution.
8.		Warmth accelerates and cold retards the hardening process.
	9.	Empty the container fully before disposing it off.
Special notices:		
	-	The optimal mechanical and chemical properties can only be attained by adhering to the exact mixing proportions; excess adhesive or hardener has the effect of a plasticizer.
	-	Depending on the type of stone the treated surfaces may deepen the colour to a greater or lesser extent. Colour deepening may be more noticeable in the fissured area. Therefore, it is advisable to try on a testing area.

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-	Component A and B must be taken from their containers with separate receptacles.			
-	The resin is no longer to be used when it is already thickened or gelling.			
-	Optimum surfaces can only be achieved by using high-quality grinding and polishing segments.			
-	The product is not to be used at temperatures below 15°C because it will not sufficiently harden. The hardened resin can no longer be removed by means of solvents, only mechanically or by applying higher temperatures (> 200°C).			
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-	If the resin has been corre hardening process is corr	resin has been correctly worked it presents no hazard to he ning process is completed.		
Technical specification:	colour: density: consumption:	transparent, pale Component A: Component B: approx. 100 - 20	1.13 g/cm³ 0,93 g/cm³ 0 g/m²	
	working time at varying temperatures and 125 g:			
		15° C:	approx.3-4 hours	
		20° C: 30° C:	approx. 2 hours approx. 1 hour	
	Hardening time for stone slabs which have been pre warmed to the given temperatures:			
		20° C: 30° C	approx. 2 days approx. 1 day	
	Shelf life:	approx. 1 firmly clos	year under cool conditions in the ed original container.	
Safety Measures:	 Both the reactive single components as well as the ready-for-use mixture can be corrosive and can cause irritation or sensitisation until it has hardened. Epoxy resins are potential allergens. They can cause skin allergies. Marking 			
	Resin components:	 Irritant; (Xi), dangerous for the environment (N) Irritating to eves and skin: (R36/38) 		
		- May cause sensitisation by skin contact (R43)		
		- Toxic to aquation	c organisms. May cause long-term	
		adverse effects	in the aquatic environment (R51/53)	
	Hardener component	s: - Corrosive; (C		
		- Harmful by inha	alation, in contact with skin and if	
		swallowed (R20)/21/22) (P34)	
		- Causes burns (N34) sitisation by skin contact (P13)	
	- Direct contact with the	e skin must he ave	bided at all costs. This is why personal	
	protective equipment	is particularly imp	ortant.	
	- When working with epoxy resins, protective gloves and safety goggles must			
	be worn and skin protection and skin care products used.			

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- Recommended protective gloves (as per laboratory measurements carried out by the company KCL in accordance with EN 374)
 - Butoject (KCL, item no. 897, 898)
 - Camatril (KCL, item no. 730, 731, 732, 733)
 - Dermatril (KCL, item no. 740, 741, 742)
- Eye and face protection:
 - Safety goggles (danger of splashes)
 - Face shield when working overhead, when applied by spraying or crack injection
- Breathing protection:
 - The product should only be applied in well-ventilated areas.
 - Respirators: Type A2/P2
- Skin protection: (from the company Stockhausen)
 - Protection of uncovered parts of the body (face, neck area) without contact with epoxy resin products: ARRETIL
 - Preventive skin protection in combination with protective gloves: STOKO EMULSION
 - Skin cleansing after working: SLIG SPEZIAL
 - Skin care after working: STOKO VITAN
 - Do not use aggressive cleaning agents, abrasive agents or solvents
 - In the event of contamination, remove as quickly as possible with a clean cloth or paper towel, then wash with water and soap
- Preventive occupational health examinations
 - To be carried out before a person starts work with epoxy resins and is to be repeated at regular intervals
- Observation of general protection and hygiene measures
 - Avoid contact with the eyes and the skin
 - Do not eat, drink, smoke or take snuff whilst working
 - Use a skin protection ointment as a preventive measure
 - Clean skin thoroughly after handling the product
 - Remove soaked and soiled clothing immediately
 - Do not inhale gases / vapours / aerosols
 - Wear protective gloves when cleaning tools or use disposable tools
- First Aid
 - Eye contact:
 - Rinse for 15 minutes under running water
 - Then consult a doctor without fail
 - Skin contact:
 - Remove soaked clothing immediately
 - Wash affected parts with plenty of water and mild soap or take a shower
 - If larger areas of skin are affected or in the event of skin redening, irritation or itching, consult a doctor
 - Inhalation:
 - Fresh air and consult a doctor

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Please take heed of

- The danger notices and safety advice on the container and the safety data sheet
- The **practical guide for the handling of epoxy resins** issued by the Berufsgenossenschaft der Bauwirtschaft
- The data sheet **BGR 227: Tätigkeiten mit Epoxidharzen** ("Handling epoxy resins") issued by the Hauptverband der gewerblichen Berufsgenossenschaften (German Federation of Institutions for Statutory Accident Insurance and Prevention).

Notice:

The above information is based on the latest stage of our development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.

TIS 11.12