Technical Instruction Sheet

page 1 of 2

Characteristics:	 AKEMI® Marble Silicone is a single-component, joint sealing material on the basis of silicone rubber which hardens in contact with atmospheric moisture. This product has the following particular properties: it does not discolour at the edges has excellent working and smoothing properties has a fungicidal property effectively tolerates expansion/contraction up to 25% builds a skin within 10 – 15 minutes stable at temperatures between -40°C - +150°C is extremely weather-resistant has a high resistance against abrasion, tearing and notching is compatible with paint can be supplied in all colours can be stored for 12 months under cool and dry conditions
Field of Application:	AKEMI® Marble Silicone is a special sealing material for expansion and connecting joint and can be used in combination with natural and artificial stone such as marble, granite, quartzite, sandstone, terrazzo (Venetian mosaic), concrete and the like. In addition this product adheres very well to plaster, ceramic, glass, wood and to many kinds of metal and plastic.
Instructions for Use:	 Contract surfaces must be dry and clean and free of fat and dust; natural and artificial stone, ceramic, glass, non-painted wood and metal can be cleaned with Cleaner A; Cleaner I is to be used on plastic and enamelled surfaces. In order to prevent adhesion on three flanks and in the event of deeper joints AKEMI® joint cords should be used; closed-cell polyethylene (PE) joint tapes for wet/moist rooms (bathrooms, saunas etc.) and for outdoors, otherwise open-cell polyurethane (PUR) joint cords. Joint size: 3x5mm at the least. Areas flanking the joint should be protected with AKEMI® special adhesive masking tape. In wet/moist rooms, outdoors and by particular surfaces (see primer table) we recommend the application of our primers on the flanks of the joints. Working temperature –10°C - +40°C. After application the silicone must be smoothed within 10 – 15 minutes. The best results are achieved with AKEMI® smoothing agent. The hardening process, which is dependent upon the thickness of the layer, the temperature and the relative atmospheric humidity, takes for 1-3mm 24 hours. Tools can be cleaned with AKEMI® Cleaner A.
Special Hints:	 In order to protect the hands use AKEMI® 'liquid glove'. Keep out of the reach of children. Avoid contact with the eyes and the skin. In the event of contact rinse thoroughly with water and, if necessary, visit your doctor. Only use in well-ventilated areas or employ an air extractor. During application/vulcanisation a transient irritant is set free. If this inhaled in high concentrations, damage to health cannot be excluded. Discoloration occurs if the surfaces beneath are coated with tar or bitumen, the sample applies for elastomers such as EPDM, APTC or neoprene. In order to prevent stains the primer should not come into contact with surfaces in the field of vision. Excess smoothing agent must be removed in order to avoid staining. The silicone does not adhere or adheres poorly to plastics containing softening agents, to polyethylene (PE), polypropylene (PP) and polytetraflouroethylene (teflon). Sealing materials with fungicide additives are not to be used in the construction of aquariums.

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page 2 of 2	Technical Instruction Sheet					
	 Hardened sealings can only be removed mechanically. Sealing material whi is still soft can be removed with Cleaner A or I – depending on the surface beneath. The hardened sealing presents no danger to health. 					
Technical Data:	System: Consistency: Density (DIN 53479-B) at 23°C: Shore A hardness (DIN 53505): Effective tolerance of expansion/ contraction: Working temperature: Stable at temperatures from: Time to build up skin at 23°C and 50% relative atmospheric humidity Hardening time at 23°C and 50% relative atmospheric humidity: Modulus of elasticity: Tensile strength (DIN 53504): Storage:		oxime interlaced soft, paste-like and stable approx. 1.02 g/cm ³ approx. 30-35 25% -10°C - +40°C -40°C - +150°C y: approx. 10 – 15 minutes approx. 1-3mm per 24 hours 0.6N/mm ² 150%-200% Can be stored for 12 months under cool and dry conditions in the original sealed container.			
	Quantities required: jo	int breadth 5mm 10mm 15mm 20mm	i joint depth 5mm 10mm 10mm 15mm	m. per cartridge 12mm 3mm 2mm 1mm	¥	
Primer table:	sandstone *1 limestone *2 marble *2 granite *2 quartzite *2 concrete plaster brick fibrated concrete plaster of Paris ceramic, glazed/unglaze glass untreated wood varnished/painted wood + adheres well *1 coat thinly with AP10 *2 in the event of applica *3 prepare the surface w *4 the sealing material m beforehand!	AP10 + + AP10 AP10 AP10 AP10 AP10 d + + + + twice ation in we vith a fine s nay cause	copper brass stainless zinc galvanise aluminium eloxadise hard PVC polyester acrylic ba polyacryla polycarbo formic ABS	*3 *3 steel d steel d aluminium throom fittings ates *4 mates *4 mates *4	+ + AP20 + AP20 AP30 + + AP30 + + AP30 + 0 reak; test	
Notice:	These specifications were development and application ways and means of application be held liable for the contract the contract of the contra	re made in ation techr ication are itents of th	accordance with the pology research of or outside our control is instruction sheet.	e up-to-date sta ur firm. Because the manufactur	ige in e the er cannot	