

## **Technical Data Sheet**

Page 1 of 2

Properties:	AKEMI <sup>®</sup> Marble Fillers 1000 Transparent styrene-reduced are highly iquid or knife-grade 2-component products based on unsaturated polyester resins dissolved in styrene.			
	<ul> <li>wide field of application due to different fast hardening (20 - 60 minutes)</li> <li>excellently polishable</li> <li>very good adhesion on natural store (60 - 70°C; in case of low exposure resistant to water, petrol and miner styrene-reduced, therefore not sub emission class A+ -confirmed by an emission class A+ -confirm</li></ul>			
Application Area:	KEMI <sup>®</sup> Marble Fillers 1000 Transparent styrene-reduced are mainly sed in stone processing industry for bonding natural stone, reinforce- ent of natural stone slabs with glass fiber products (laminating) and rming of rock substitutes with crushed rocks and sand. ponsistency:			
	<ul> <li>Transparent:</li> <li>Transparent extra liquid:</li> <li>Transparent L-Special:</li> </ul>	medium viscosity low viscosity gel-like consistency for vertical applications		
Instructions for Use:	<ol> <li>roughened.</li> <li>Colouring is possible by adding AK Pastes, Colouring Concentrates liq max. 5%. AKEMI<sup>®</sup> Marble Filler 100 Transparent L-Special can be dilute 1000 Transparent extra liquid in an</li> <li>Add 1 to 4 g of white hardener pass paste pressed out of the screw tube</li> <li>Mix both components thoroughly. Tapprox. 3 to 16 minutes (20°C), de</li> <li>After 20 to 60 minutes the treated p (grinding, milling, drilling), dependir</li> <li>The hardening process is acceleration</li> </ol>	Colouring is possible by adding AKEMI® Polyester Colouring Pastes, Colouring Concentrates liquid or Spectrum Pastes up to max. 5%. AKEMI® Marble Filler 1000 Transparent and Marble Filler Transparent L-Special can be diluted with AKEM®I Marble Filler 1000 Transparent extra liquid in any mixing ratio. Add 1 to 4 g of white hardener paste to 100 g of filler (4 to 5 cm of paste pressed out of the screw tube correspond to 1 g). Mix both components thoroughly. The mixture can be worked for approx. 3 to 16 minutes (20°C), depending on the product.		
Special Notes:	<ul> <li>For professional use only.</li> <li>Use afin<sup>®</sup> Liquid Glove to protect yet</li> <li>Hardener portions higher than 4% a surface drying.</li> <li>Hardener portions less than 1% an considerably delay hardening.</li> <li>The bonding layers should be as the shrinkage (approx. 5-8%) caused and development of heat during the Non-durable resistance of bondings to humidity and frost.</li> <li>Only moderate adhesion on fresh, concrete, concrete bricks).</li> </ul>	reduce adhesion and deteriorate d low temperatures (below 5°C) nin as possible (< 1 mm) due to by the high reactivity of the filler e hardening process. s which are frequently exposed		



Technical Data Sheet			Page 2 of 2	
	<ul> <li>The hardened filler tends to yellowing.</li> <li>Once hardened, the filler can no longer be removed by solvents. Removal is only possible mechanically or by higher temperatures (&gt; 200°C).</li> <li>Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.</li> </ul>			
Technical Data:	Colour: Density:	honey yellow 1.05 – 1.15 g/cm³		
	Working time (min.):			
	a) at 20°C	<u>Transparent</u>	<u>Extra Liquid</u>	L-Special
	1% of hardener: 2% of hardener: 3% of hardener: 4% of hardener:	12 - 14 6 - 8 5 - 6 4 - 5	9 - 11 7 - 9 5 - 6 4 - 5	8 - 10 5 - 6 4 - 5 3 - 4
	b) with 2% of hardener: at 10°C: at 20°C: at 30°C:		12 - 14 7 - 9 4 - 5	
	Mechanical Properties:			
	Tensile strength DIN 53455 Bending strength DIN 5345			
Storage:	If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 12 months from production.			
Health & Safety:	Read Safety Data Sheet before handling or using this product.			
Important Notice:	The above information is based on the latest stage of 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.			