

## Technical Data Sheet

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<b>Properties:</b>	AKEMI® AKELUX fillers are light-curing, 1-component fillers based on high-quality composites.																														
<b>Application Area:</b>	Repair of small damaged areas (edges, holes, scratches) on kitchen worktops, countertops and window sills made of natural and artificial stone (s.a. marble, granite, quartz) as well as ceramics. Enables the stone industry to effect small repair work and thus avoids an additional grinding and polishing process of the complete stone surface. Helps the professional processor of natural and artificial stone to quickly and safely repair small damages, especially if an installation has already been done. The set allows repair work on all stone colours and structures due to use of all colours of the AKELUX fillers contained.																														
<b>Instructions for Use:</b>	Detailed instructions for the repair of surface scratches, edge chippings, holes, bouncers, cracks, corner chippings as well as assembly and processing defects which do not affect the statics of the object, can be found in the AKEMI® AKELUX Repair System instruction manual.																														
<b>Special Notes:</b>	AKEMI® AKELUX coloured fillers must not exceed a maximum colour content of 50% and must always be diluted with AKELUX Filler transparent liquid respectively AKELUX Filler transparent gel crystal.  The ideal working temperature is between 12 and 28°C.																														
<b>Technical Data:</b>	<table><tr><td>1. Colour:</td><td>colourless, clear or coloured</td></tr><tr><td>2. Form:</td><td>viscous liquid</td></tr><tr><td>3. Physical properties</td><td></td></tr><tr><td>    Bending strength:</td><td>100 ± 15 N/mm<sup>2</sup></td></tr><tr><td>    Bending module:</td><td>2500 ± 300 N/mm<sup>2</sup></td></tr><tr><td>    Ball impression hardness:</td><td>140 ± 20 N/mm<sup>2</sup></td></tr><tr><td>    Compressive strength:</td><td>260 ± 20 N/mm<sup>2</sup></td></tr><tr><td>    Stone composite:</td><td>8 N/mm<sup>2</sup></td></tr><tr><td>    Solubility after curing:</td><td>insoluble in organic solvents</td></tr><tr><td>4. Freeze-thaw resistance:</td><td></td></tr><tr><td>    Tested according to DIN 52 104-1 (LGA Bautechnik GmbH)</td><td></td></tr><tr><td>    Water absorption</td><td>0.09 %</td></tr><tr><td>    Change in mass</td><td>0.00 %</td></tr><tr><td>    Optical change</td><td>none</td></tr><tr><td>5. Guidelines</td><td>compliant to RoHS and REACH</td></tr></table>	1. Colour:	colourless, clear or coloured	2. Form:	viscous liquid	3. Physical properties		Bending strength:	100 ± 15 N/mm <sup>2</sup>	Bending module:	2500 ± 300 N/mm <sup>2</sup>	Ball impression hardness:	140 ± 20 N/mm <sup>2</sup>	Compressive strength:	260 ± 20 N/mm <sup>2</sup>	Stone composite:	8 N/mm <sup>2</sup>	Solubility after curing:	insoluble in organic solvents	4. Freeze-thaw resistance:		Tested according to DIN 52 104-1 (LGA Bautechnik GmbH)		Water absorption	0.09 %	Change in mass	0.00 %	Optical change	none	5. Guidelines	compliant to RoHS and REACH
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<b>Storage:</b>	If stored in dry and cool condition (2-28°C/36-82°F) in its closed original container at least 48 months from production.																														
<b>Health &amp; Safety:</b>	Read Safety Data Sheet before handling or using this product.																														

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**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.