

Technical Instruction Sheet

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Characteristics:

AKEMI® Filler Super Fine is a 2-component filler based on unsaturated polyester resins dissolved in styrene. The product is distinguished by the following qualities:

- very good drawing properties due to very creamy consistency
- high filling and non-sag properties
- levelling of slightly scratches and uneven surfaces due to especially fine structure
- fast hardening (10-15 minutes)
- facile grindability and high abrasive properties
- very good adhesion on metal (iron, steel, aluminium), wood, stone and various plastics (e.g. rigid PVC, polyester) also in case of higher temperatures (up to 100°C)
- resistant to water, petrol, mineral oils, diluted lye and acids.

Field of Application:

AKEMI® Filler Super Fine is used in industry, trade and hobby for levelling of dents or bruises as well as scratches or shrink holes on car bodies, machinery parts, boats and caravans.

Instructions for Use:

1. The surface to be treated must be rustproof, dry, dust-free and slightly roughened. All prior coats not hardened and thermoplastic acrylic lacquers must be removed.
2. Add 1 to 4 g of red hardener paste to 100 g of filler (4 to 5 cm of paste pressed out of the screw tube correspond to 1 g).
3. Both components are mixed until a homogeneous shade of colour is achieved. The mixture can be worked for about 2 to 6 minutes.
4. After 15 to 30 minutes the hardened filler can be worked (ground, drilled, milled)
5. The hardening process is accelerated by heat and delayed by cold.
6. The filled surface can be worked over with all fillers and lacquers which are commercially available.
7. Tools can be cleaned with AKEMI® Nitro-Dilution.

Special Hints:

- Use AKEMI® »Liquid Glove« to protect your hands.
- Apply filler in a short interval after grinding of metal surface to guarantee good adhesion.
- Hardener portions higher than 4 % reduce adhesion and deteriorate surface drying.
- Hardener portions less than 1 % delay hardening or low temperatures cause an incomplete hardening and the surface will remain tacky.
- Before coating with a 2-component lacquer apply a primer or a „Non-Sanding Sealer to avoid blistering.
- When the product is to be applied in thicker layers we recommend to use as little hardener as possible or apply several layers
- Once hardened, the filler can no longer be removed by solvents. Removal is only possible mechanically or by higher temperatures (> 200°C).
- Being worked properly, the hardened filler is generally recognised as not injurious to health.

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Safety Measures: see EC Safety Data Sheet**Technical Data:** Colour: white
Density: 1.91 g/cm³

Working time / min.:

a) at 20°C

1% of hardener: 5 - 6

2% of hardener: 3 - 4

3% of hardener: 2.5 - 3

4% of hardener: 2 - 2.5

b) with 2% of hardener

at 10°C: 8 - 10

at 20°C: 3 - 4

at 30°C: 1 - 2

Shelf life: 1 year approx. if stored in cool place free from frost in its tightly closed original container.

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 trials of the product, in an inconspicuous area or fabrication of a sample piece.