Technical Instruction Sheet

Properties:

AKEMI® BS 102 Repair Filler is a fast-hardening, paste-like two-component product on the basis of unsaturated polyester resins dissolved in styrene. The product is characterized by the following properties:

- easy to work and apply, even on vertical surfaces on account of the paste-like consistency
- fast hardening (20-30 minutes)
  good workability (easy to abrade, drill holes in and to mill)
- very good adhesion, even to metals (iron, steel, aluminium) wood and stone
- high final strength
- resistant to water, petrol, mineral oils
- suitable for underfloor heating.

Application areas:

AKEMI® BS 102 Repair Filler is used to close and friction-lock joints and holes and to bond metal profiles in screed flooring and concrete.

Instructions for use:

1. The surface it is to be applied to must be dry and free of dust, grease, oil and antitack agents. If necessary, widen the cracks or use special screed repair braces.
2. 1-4 g of hardener paste are to be added to 100 g of filler (1 g of hardener corresponds to a length of approximately 4 - 5 cm of hardener paste when squeezed out of the tube).
3. Mix both components together thoroughly until a homogeneous colour is attained. The mixture remains workable for 4-10 minutes (at 20° C).
4. Fill AKEMI BS 102 Repair Filler into the cracks or joints in the screed flooring and level/smooth it off with a spatula. In order to improve the adhesion of further chemical building products on top of it (adhesives or levelling layers), dry silicious sand can be sprinkled on the surface of the resin before it hardens.
5. Further processing (application of adhesives or levelling layers) can take place after 60 minutes at the earliest.
6. Warmth accelerates and the cold delays hardening.
7. Tools can be cleaned with AKEMI Nitro-Dilution.

Special notices:

- In the event of finer cracks or joints, use BS 101 Repair Resin.
- To increase the strength of the connection, we recommend the use of special screed repair braces.
- Use AKEMI® “Liquid Glove” to protect your hands.
- If more than 4 % hardener is used, the quality of the bonding will be reduced.
- If less than 1 % hardener is used or temperatures are low (under 5° C), hardening will be delayed considerably.
- Resin which is in the process of jellifying should not be used.
- Metallic surfaces should be abraded and glued as soon as possible afterwards in order to avoid reduced adhesion.
- Bondings which are often exposed to damp and/or frost are only resistant up to a point.
- Resin which has already hardened can no longer be removed with solvents: This can only be achieved mechanically or by means of high temperatures (> 200° C).
- When using the product make sure there is sufficient ventilation.
- The hardened adhesive is not detrimental to health if the product is used properly.

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Safety notices: Please refer to the EC safety data sheet.

Technical specifications:

colour:	grey
density:	approx. 1.86 g/cm³
consistency:	paste-like
working temperature:	above 5° C

working time/min:

a) at 20° C

1 % hardener	8 - 10
2 % hardener	5 – 6
3 % hardener	4 – 5

b) using 2 % hardener

at 10° C	10 -12
at 20° C	5 – 6
at 30° C	3 – 4

can be walked on:	after 30-40 minutes
can bear a load:	after approx. 1 hour

container size: 1000 g

shelf life: can be stored for approx. 1 year in the closed original container under cool and frost-free condition.

Notice: The above specifications were made on the basis of the present-day stage of technological development and the application research of our company. Because the ways and means of application are beyond our control, the manufacturer cannot be made liable for the contents of this specification sheet.

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