PRODUCT DATA SHEET

EVERBUILD® EVERFLEX® AC50

HIGH STRENGTH ACOUSTIC SEALANT AND ADHESIVE

PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® AC50 is a high strength, permanently flexible acoustic sealant and adhesive specifically formulated for sealing and bonding plasterboard and other kraft lined insulation boards to common substrates.

USES

- To form an acoustic barrier by sealing gaps between plasterboard walls, floors and ceilings and in dry lining applications.
- As an adhesive to bond plasterboard to plasterboard, wood and metal studding and direct to blockwork.
- For sealing and bonding most other Kraft lined insulation boards.

CHARACTERISTICS / ADVANTAGES

- Permanently flexible/high grab.
- Adheres to most surfaces.
- Mould resistant.
- Non flammable
- Overpaintable.
- Easy clean up.

APPROVALS / STANDARDS

Independently tested to BS EN ISO 140/3.
EN15651-1:2012
EN13963:2005

PRODUCT INFORMATION

Packaging	380ml and 900ml cartridges
Colour	White
Shelf Life	12 months from date of manufacture when stored in unopened cartridges.
Storage Conditions	Store in cool (5 - 25°C) dry conditions and protect from frost.
Density	1.55 - 1.65 g/cm³
Solid Content	ca. 80%

TECHNICAL INFORMATION

Shore A Hardness	Approximately 40
Elongation at Break	100-200% (DIN 53504)
Movement Capability	Low to medium (+/- 5%)
Chemical Resistance	Dilute Acids - Fair Dilute Alkaline - Fair Aliphatic Hydrocarbons - Fair

Service Temperature	-15°C to +70°C

SYSTEM INFORMATION

Compatibility	Can be used in contact with most building and decorating materials but should not be used against bituminous materials.

APPLICATION INFORMATION

Sag Flow	No slump at 25°C when placed in a 20mm x 10mm vertical channel
Ambient Air Temperature	+5°C to +40°C
Curing Time	1 to 5 days, dependent on thickness, ambient temperature and humidity
Tack Free Time	15 to 60 mins, dependent on thickness, ambient temperature and humidity

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Highly porous substrates such as new plaster should first be primed with Everbuild PVA bond diluted 1:4 with water. Surfaces may be slightly damp, but not wet. NOTE: THIS WILL SLOW THE CURE.

APPLICATION METHOD / TOOLS

900ml size: Fit cartridge into a 1ltr mastic gun. Cut nozzle to required length and puncture inner membrane seal before applying.
C4 Packs: Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut cleanly at an angle of 45°.
Use as a sealant: Always cut nozzle to a size slightly larger than the gap to be sealed. Apply to gap, slightly overfilling and finish smooth with a caulking tool or filler knife. Clean up any excess with a damp cloth within 30 minutes of application.
Use as an adhesive for direct bonding to large surfaces: Cut nozzle to provide a bead of approximately 9-10mm diameter and apply a continuous bead to one surface at 250-350mm centers. Apply board immediately to surface and tamp down. Provide temporary support until cured.
Use as an adhesive for bonding to studding: Apply a continuous bead to studding and apply board immediately into position. Do not apply more than one boards width of studding at one time. Provide temporary support until cured.

LIMITATIONS

- Should not be used against bituminous materials.
- Damp or humid conditions will significantly extend the cure time.
- Do not attempt to abrade when cured.
- Do not overpaint until product has fully cured. This will normally be 24 hours but may be 4-5 days in damp, cold or humid conditions.
- Do not apply below 5°C.
- For overhead boarding applications, always use in conjunction with mechanical fixings.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

Product Data Sheet
EVERBUILD® EVERFLEX® AC50
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2 / 3

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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