

## PRODUCT DATA SHEET

## Sika® Multi Stick

Superior high strength grab adhesive based on hybrid polymer technology

**PRODUCT DESCRIPTION**

Sika® Multi Stick is an exceptional hybrid polymer grab adhesive created especially for the trade. This superior adhesive has the ability to bond virtually anything to everything in both wet and dry conditions, and even underwater. With incredible initial grab, high bonding strength and almost limitless applications and other benefits, Multi Stick is capable of bonding to almost all materials, such as glass, marble, granite, mirrors, bricks, stone, plasterboard, concrete, all metals, hard plastic, ceramics, fibreglass, timber and more.

**USES**

- As a high quality nail replacement adhesive, even to damp surfaces.
- Bonding mirrors to most common substrates.
- Cladding panels.
- Bonding difficult materials.
- Any application requiring high performance, durable bonding.
- Applications where resistance to chemical spillage is required.

**CHARACTERISTICS / ADVANTAGES**

- Primerless adhesion to most common porous and non-porous building substrates.
- Internal and external use.
- Fast curing.
- Virtually odourless.
- Low dirt pick up.
- Excellent break.
- Waterproof.
- Weather resistant.
- UV resistant.
- Chemical resistant.
- Suitable for use with glass, aluminium and PVC.

**PRODUCT INFORMATION**

<b>Packaging</b>	350 ml cartridge
<b>Shelf Life</b>	Use 12 months from date of manufacture
<b>Storage Conditions</b>	Store in cool, dry conditions, away from direct sunlight, between +5 °C and +25 °C. Storage outside of these parameters will dramatically reduce the shelf life.
<b>Colour</b>	White
<b>Density</b>	1.6-1.7 g/cm <sup>3</sup>
<b>Shore A Hardness</b>	60-70

## Lap Shear Strength

Substrate	Strength (N/mm <sup>2</sup> )		
	3.5 hours	1 Day	7 Days
Beech: Beech	0.79	1.45	1.43
Beech:Aluminium	0.23	0.72	1.09
Beech:PVC	0.09	0.37	0.36

**Service Temperature** -50 °C to +80 °C

**Yield** Approx. 12 linear metres for 6 mm diameter bead

**Sagging** Nil

**Ambient Air Temperature** +5 °C to +35 °C

**Curing Rate** 1-3 mm / 24 hours (at +23 °C and 50 % RH)

**Skin Time** 20-40 minutes

## 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.

## USES

- For overhead applications, always use in conjunction with mechanical fixings.
- Use in conjunction with mechanical fixings for glass block fitting or large mirrors (>0.5 m<sup>2</sup> total area).
- For heavy items, provide temporary support until adhesive has cured.
- New plastics, especially PVC, will require light abrasion.
- In areas of high UV some darkening/discolouration may occur, this does not affect the performance.
- Overpaintability: check compatibility with specific paint first before applying to large areas.
- Do not use on safety-backed mirrors, polypropylene or Teflon.
- Do not use on surfaces that bleed oils or plasticizers.
- Not for use as part of a glazing system.
- Not for use in aquarium manufacture.
- Not for use in conjunction with bitumen or asphalt.
- Yellowing can occur in the dark.
- Not suitable for applications that require permanent immersion in water.
- Do not use for joints under water pressure.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Sika Technical Services for advice.

## 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.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- Surfaces must be clean and free from dust, grease, loose material etc.
- Prime dusty surfaces with Sika® PVA diluted 1:4 with water and allow to dry.

### APPLICATION METHOD / TOOLS

- Cut the tip of the cartridge taking care not to damage the thread. Fix nozzle, cut aperture to required width. Apply using a standard C4 sealant gun.
- For bonding heavy items (plasterboard, worktops, wall panels etc) apply adhesive all the way around the edge of the item (30-50 mm from edge) and cover back with beads of adhesive at 300 mm intervals. Alternatively, apply adhesive direct to battens and press into place. With heavy items, always provide temporary support until the adhesive dries.
- For bonding lightweight items (covings, dado rails, skirting etc) apply adhesive to back of item in one or two continuous beads and press immediately into place.
- Where gap filling is required, mark the areas where there is a large gap and apply a thicker bead to these areas.

### CLEANING OF TOOLS

Clean up excess adhesive immediately with a cloth/white spirits or Sika® Wonder Wipes. Cured material should be removed mechanically.

## 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.

## 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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### Product Data Sheet

Sika® Multi Stick  
September 2024, Version 01.01  
02051302000000107

SikaMultiStick-en-IE-(09-2024)-1-1.pdf

