

## PRODUCT DATA SHEET

# Sika® Stixall® Maximum Grab

Ultra high grab building adhesive for interior and exterior use.

### PRODUCT DESCRIPTION

Stixall® Maximum Grab is the ultimate high grab adhesive, providing incredible initial grab, typically double that of most grab adhesives on the market today which eliminates the need for temporary support in most applications.

Stixall® Maximum Grab has the ability to bond almost everything to anything in virtually all conditions, even under water or in the rain. Stixall® Maximum Grab cures to a tough flexible elastic rubber.

### USES

Excellent primerless adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, perspex, glass, wood, enamel, painted surfaces etc.

For bonding in various interior and exterior applications:

- Bonding brick slips.
- As a high quality nail replacement adhesive, even to damp surfaces.
- Bonding mirrors to most common substrates.
- Jointing cladding panels.
- Bonding difficult materials such as plastic, metals and fiberglass.
- Any application requiring high performance, durable bonding of joints.

### CHARACTERISTICS / ADVANTAGES

- Incredible initial grab. Double that of most common grab adhesives.
- High ultimate bonding strength.
- Interior and exterior use.
- Can be applied to damp/wet surfaces.
- Totally waterproof & weatherproof.
- Quick curing.
- Overpaintable if required.
- Permanently flexible.
- Resistant to chemicals & petrol (10 % dilute acids/alkalis, most solvents).

### PRODUCT INFORMATION

Chemical Base	STP
Packaging	290 mL Cartridge
Colour	White

<b>Shelf Life</b>	12 months from date of manufacture when stored according to manufacturer's instructions.
<b>Storage Conditions</b>	Store in cool, dry conditions between +5 °C to +25 °C.
<b>Density</b>	1.30 – 1.35 g/cm <sup>3</sup>
<b>Consistency</b>	Paste
<b>Shore A Hardness</b>	50 – 55 (ISO 868 – 3 seconds)
<b>Tensile Strength</b>	> 2.5 MPa
<b>Shrinkage</b>	< 4 % (ISO 10563)
<b>Service Temperature</b>	-40 °C to +80 °C
<b>Elongation at break</b>	> 300 %
<b>Consumption</b>	Approx. 1.5 m <sup>2</sup> when applied as directed
<b>Sagging</b>	Nil (ISO 7390)
<b>Ambient Air Temperature</b>	+5 °C to +35 °C
<b>Curing Rate</b>	2 mm per 24 hours, at 23 °C and 50 % RH
<b>Skin Time / Laying Time</b>	20 ± 10 minutes, at 23 °C and 50 % RH

## VALUE BASE

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

## LIMITATIONS

- Always use in conjunction with mechanical fixings for overhead applications.
- Use in conjunction with mechanical fixings for large mirrors (>1 m<sup>2</sup> total area).
- Temporary support is not normally required, however for extremely heavy items; provide temporary support until adhesive has dried.
- Product is by its nature stiff to gun. Always discharge using a good quality sealant gun.
- Do not seal mirror edges/plastic sheeting until adhesive has cured.
- Do not use on surfaces that bleed oils or plasticizers.
- When bonding glass blocks: always check with manufacturer of blocks re; suitability for use before assembly as this is a structural application and their specified methods must be followed.
- Overpaintability: As quality and type of paint can vary, always test compatibility before use.
- Do not use on polythene safety backed mirrors, polypropylene or Teflon.
- Using on stone: as quality of natural stone can vary, always test for staining resistance/compatibility prior to full scale use.
- Adhesion trials recommended before large scale application.
- Yellowing can occur in the dark.

It is the user's responsibility to determine suitability of use. If in doubt, please contact Technical Services department for advice.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- All surfaces must be clean and dust free.

### APPLICATION METHOD / TOOLS

- Stixall® Maximum Grab comes complete with a pre-cut V notched nozzle which ensures correct depth of adhesive is discharged from tube.
- Screw on nozzle and apply using a good quality sealant gun holding the gun at 90 degrees to the surface to be bonded.
- Apply adhesive direct to back of one surface only, in lines spaced at 30-40 mm centres.
- Immediately place item into position and secure with good, even pressure and with a slight twist action.
- Stixall® Maximum Grab will skin over within approximately 15-30 minutes.
- Through cure will be approximately 2 mm in depth per 24 hours. This may be slower on non-

porous surfaces.

## CLEANING OF TOOLS

Uncured product: Sika® Wonder Wipes or white spirit.

Cured product: Mechanical removal.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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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