

# PRODUCT DATA SHEET

# EVERBUILD MAXIMUM TORQUE®

NEXT GENERATION HYBRID POLYMER HIGH GRAB BUILDING ADHESIVE.

## PRODUCT DESCRIPTION

Maximum Torque is the ultimate high grab adhesive, providing a level of immediate grab strength not previously possible with cartridge packed adhesives. The unique polymer blend used in Maximum Torque gives incredible initial grab, typically double that of most grab adhesives on the market today which eliminates the need for temporary support in most applications. Maximum Torque has the ability to bond almost everything to anything in virtually all conditions, even under water or in the rain. Maximum Torque cures to a tough flexible elastic rubber.

## USES

Bonding in almost every application imaginable, both internally and externally. The following are just some examples:

- Bonding Brick Slips.
- As a high quality nail replacement adhesive, even to damp surfaces.
- External and internal perimeter pointing around doors and windows.
- Bonding mirrors to most common substrates.
- Jointing cladding panels.
- Bonding difficult materials such as plastic, metals and fibreglass.
- 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.
- Solvent free formula.
- Resistant to temperature extremes -40°C to +80°C.
- Permanently flexible.
- Resistant to chemicals & petrol (10% dilute acids/alkalis, most solvents).
- Excellent primer less adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, perspex, glass, wood, enamel, painted surfaces etc.

**Modulus @ 100% elongation**

Ca. 1.3 MPa

**Shrinkage (ISO 10563)**

< 4%

**Compatibility With Paints**

Water based: yes (test compatibility)  
Solvent based: no (with alkyd paints)

## PRODUCT INFORMATION

<b>Packaging</b>	290ml cartridge
<b>Colour</b>	White
<b>Shelf Life</b>	12 months in original unopened containers
<b>Storage Conditions</b>	Store in cool dry conditions between + 5°C and 25°C
<b>Density</b>	1.30 - 1.35 g/cm <sup>3</sup>

Consistency Pasty

## TECHNICAL INFORMATION

Shore A Hardness	(ISO 868 – 3 seconds) 50 - 55
Tensile Strength	> 2.5 MPa
Elongation at Break	> 300%

## APPLICATION INFORMATION

Yield	As an adhesive – Approx. 1.5m <sup>2</sup> when applied as directed
Sagging	(ISO 7390) Nil
Ambient Air Temperature	5 to 35°C
Curing Rate	Curing at 23°C and 50% RH 2mm / 24hr
Skin Time	Skin Formation at 23°C and 50% RH 20 ± 10 min

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

All surfaces must be clean and dust free.

### APPLICATION METHOD / TOOLS

All surfaces to be sealed must be clean. Maximum Torque comes complete with a pre-cut V notched nozzle which ensures correct depth of adhesive is discharged from tube. Cut the tip of the cartridge, taking care not to damage the thread. 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 30-40mm centres. Immediately place item into position and secure with good, even pressure and with a slight twist action.

NOTE: EVERBUILD MAXIMUM TORQUE® will skin over within approximately 15-30 minutes. Through cure will be approximately 2mm in depth per 24 hours. This may be slower on non porous surfaces.

### LIMITATIONS

- Use on overhead applications – Always use in conjunction with mechanical fixings.
- Use in conjunction with mechanical fixings for large mirrors (>1m<sup>2</sup> total area).
- Temporary support is not normally required, however for extremely heavy items; provide temporary support until adhesive has dried.
- Note: Product is by its nature stiff to gun. Always discharge using a good quality sealant gun (eg EVERBUILD POWER PRO).
- Do not seal mirror edges/plastic sheeting until adhesive has cured.
- Do not use on surfaces that bleed oils or plasticizers.
- 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.
- It is the user's responsibility to determine suitability for use. Adhesion trials recommended before large scale application. If in doubt, please contact Technical Services Department for advice.
- Yellowing can occur in the dark.

### 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

### 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

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