

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 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).
- 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

Chemical Base	STP
Packaging	290 ml cartridge
Colour	White
Shelf Life	12 months in original unopened containers
Storage Conditions	Store in cool dry conditions between +5 °C and +25 °C

Density 1.30 - 1.35 g/cm³

Consistency Paste

TECHNICAL INFORMATION

Shore A Hardness 50 - 55 (ISO 868 – 3 seconds)

Tensile Strength > 2.5 MPa

Elongation at Break > 300 %

Service Temperature -40 °C to +80 °C

APPLICATION INFORMATION

Yield As an adhesive – Approx. 1.5 m² when applied as directed

Sagging Nil (ISO 7390)

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

Curing Rate Curing at 23°C and 50% RH
2 mm / 24 hour

Skin Time Skin Formation at 23 °C and 50 % RH
20 ± 10 min

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.

LIMITATIONS

- Use on overhead applications – Always use in conjunction with mechanical fixings.
- Use in conjunction with mechanical fixings for large mirrors (>1 m² 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.

ECOLOGY, HEALTH AND SAFETY

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 30-40 mm 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 2 mm in depth per 24 hours. This may be slower on non porous surfaces.

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 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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