

Base	PA Polymer®
Consistency	Paste
Density	1.25 - 1.35
Application Temperature	5 to 35°C
Skin Formation at 23°C and 50% RH	20 ± 10 min
Sagging (ISO 7390)	Nil
Curing at 23°C and 50% RH	> 3mm / 24hr
Shore A Hardness (ISO 868 – 3 seconds)	50-55
Modulus at 100% Elongation	Ca. 1.3 MPa
Elongation @ Break	> 300%
Tensile Strength at break	> 2.5 Mpa
Shrinkage (ISO 10563)	< 4%
Compatibility With Paints	Water based: yes (test compatibility), Solvent based: no (with alkyd paints)
Temperature Resistance	-40 to +150°C
Movement Accommodation	± 12.5%
Coverage	As an adhesive – Approx. 1.5m² when applied as directed.

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:

Sumogrip Heavyweight is based on next generation hybrid/PA polymer technology. It is the ultimate high grab building adhesive - white in colour.

The unique polymer blend used in Sumogrip Heavyweight gives incredible initial grab, typically double that of most grab adhesives on the market today, eliminating the need for temporary support in most applications.

Sumogrip Heavyweight has the ability to bond basically everything to anything in virtually all conditions, even under water or in the rain. Sumogrip Heavyweight cures to a tough flexible elastic rubber, which also makes it suitable for use as a sealant.

Benefits:

- 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 odour less formula.
- Resistant to temperature extremes -40°C to +150°C.
- Permanently Flexible +/- 12.5% movement accommodation.
- 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.

Areas For Use

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, especially in mobile structures such as caravans and boats.
- Bonding mirrors to most common substrates.

- Automotive gap filling and sealing.
- Jointing cladding panels.
- Bonding difficult materials such as specialised polymer systems, metals and fiberglass.
- Any application requiring high performance, durable sealing and bonding of joints.

Limitations

- Use on overhead applications – Always use in conjunction with mechanical fixings.
- Use in conjunction with mechanical fixings for large mirrors (>1m² 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.
- 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.
- Use as a sealant; do not use in applications where movement is greater than +/- 12.5%.
- It is the user's responsibility to determine suitability for use. Adhesion trials recommended before large scale application.

Surface Preparation

All surfaces must be clean, sound and dust free.

Application

All surfaces to be sealed must be sound and clean. Sumogrip Heavyweight 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: Sumogrip Heavyweight 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.

Health & Safety

- Consult MSDS for full list of hazards.

Storage

- Store in cool dry conditions between + 5°C and 25°C.

Shelf Life

- 12 months in original unopened containers.

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