



Seamless Adhesive Solutions for Acrylic, Quartz and Natural Stone



WHY SOLMMATE

British Manufactured Solid Surface Adhesive

Solmmate is a range of specially formulated adhesives recommended for bonding and seaming invisible joints to a variety of surfaces including cast polymers, acrylics, woods, polyester blends, engineered quartz and natural stone. Solmmate's range of products are a non-yellowing formula that can be handled within 15-25 minutes and can be sanded in 30 minutes. Solmmate is formulated, manufactured, coloured and filled in the United Kingdom

Solmmate is used in the manufacture and installation of a variety of applications including kitchens, bathrooms, hotels, pubs, shop fitting, fireplaces, schools, office buildings, restaurants and hospitals. It is the adhesive of choice for solid surface manufactures and fitters.



COLOUR MATCHING

We have an extensive library of over 1500 colours in our database and the ability to match any other material colour. Using the highest specification spectrophotometer equipment and professional colourist who has over 20 years' experience in the colour matching industry, we aim for a D.E (delta index) of less than 1.0 for colour matches in order to ensure that the product is perfect every time.



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www.solmmate.com

PRODUCT RANGE

ACRYLIC

Solld Surface is a two-part, 10:1 ratio methacrylate adhesive designed for solid surface seaming and assembly. It offers excellent adhesion to a variety of solid surface sheet materials including cast acrylic and cast polyester. It has high resistance to water, impact, wear scuffing, boiling water, high temperature and UV light. It has a working time of 8-13 minutes and achieves handling strength in 30 to 40 minutes.

Available Colours: Various
Pack Sizes: 50ml, 75ml, 100ml, 250ml and bulk



QUARTZ

For bonding natural stone and acrylic to metal clasps for supporting sinks, bowls and all kinds of metal objects. We offer a variety of colours to suit the customer's requirements.

- Bonds a wide range of materials
- Impact resistant bonds
- Minimal surface preparation
- Fast and slow versions
- Colours on request
- Bonds to Solid surface, Stone & Quartz

Available Colours: Various
Pack Sizes: 50ml, 400ml and bulk



POLYESTER

Solmmate Polyester resin bonding adhesive for gluing and joining granite, marble, terrazzo, engineered stone and natural stone. Produced from high quality materials to avoid changes in colour and Polymerisation. High strength adhesives with excellent stability. Can be supplied in bulk system or cartridge version for easier mixing and less waste.

Available Colours: Various
Pack Sizes: 50ml, 250ml, 5ltr and bulk



HYBRID

Solmmate's Hybrid adhesive combines the strength and performance of epoxy resin within our toughened resin formulation. Our knife-grade (non-sag) hybrid system is suitable for structural bonding of Granite, Natural Stone and Marble. The cartridge system eliminates measuring and mixing the two components

Available Colours: Various
Pack Sizes: 50ml, 400ml and bulk



HIGH TACK

High-Tack is a high modulus, strong single component adhesive with very high grip based on advanced polymer technology. The product is odorless, neutral, and free of silicone and isocyanides. Applications include: gluing of solid surface, granite, engineered quartz, marble and panels. High-Tack may be used with a primer to seal assemblies of glass, glazed surfaces, porcelain, coated metal, epoxy and polyester panels, polystyrene, UPVC, polycarbonate, PU, stainless steel, anodized aluminum, copper, zinc, lead, finished wood and HPL panels.

Available Colours: Various
Pack Sizes: 310ml



ACCESSORIES



We also offer our own range of dispensing nozzles, guns and bulk dispensing equipment for all applications. Please contact the sales department for more details.



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TECHNICAL SPECIFICATIONS

Cure Time

The working time information is provided as an estimate of the time between mixing and set up of the adhesive. The working time is effected by the mixing ratio, air temperature, adhesive temperature, and the substrate temperature as well as the shelf life condition of the adhesive. For best results, use the adhesive at temperatures between 15 - 30°C (60 and 85°F). High temperatures increase the cure rate while lower temperatures slow the cure. Use at temperatures below 12°C - (55°F) may cause incomplete cure.

Working Temperatures

Shelf life and cure speed are both properties affected by temperature variables. Shelf life is shortened if the glue is stored at temperatures exceeding 23°C (74°F) Shelf life of 18 months can be attained if stored at constant temperatures at or below 23°C (74°F).

Solmmate has been tested to ASTM790 and the performance highlights are:

- UV Stable
- Room Temperature Cure
- Minimum Surface Preparation
- Excellent Water Resistance
- Excellent Scuffing Resistance
- Excellent Impact Resistance

TYPICAL ADHESIVE CHARACTERISTICS @ 23°C (74°F)

| | | |
|----------------------|---------------------------------------|-----------------------|
| Part A Adhesive | Part B Activator | Mixed A + B |
| Colour: | All Colours | |
| Mix ratio by volume: | 10:1 | |
| Mix ratio by weight: | 10.1:1 | |
| Viscosity cps: | Part A 35,000 ± 5,000 | Part B 25,000 ± 5,000 |
| Density; g/ml: | Part A 1.05 Part B 1.18 Combined 1.06 | |
| Working time: | 8-13 minutes | |
| Fixture time: | 15-25 minutes | |
| Sandable: | 30-40 minutes | |



TYPICAL PHYSICAL PROPERTIES @ 23°C (74°F) RECOMMENDED SUBSTRATES

Tensile Strength, psi (ASTM D638): 4,000 – 4,500 Acrylic sheet
 Flexural Strength, psi (ASTM D790): 5,000 – 5,800 Glass Reinforced Plastics

LABORATORY TESTED

Solmmate can be used in conjunction with any of these and other solid surface manufacturers; its exceptional performance coupled with its highly competitive price make it the number one choice when compared to any big named brand in the Solid Surface Adhesive market.

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|-------------|--------------|--------------|-------------|-----------|-----------|-----------|
| AVONITE | Basix | BITTO | caesarstone | CORIAN | Dovaé | EOS |
| FABSOLUTION | FORMICA | GEMSTONE | Gruber | Han Stone | harmony | HANEX |
| LG HI-MACS | kerrock | Living Stone | MEGANITE | MONTELLI | MYSTERA | POLYSTONE |
| SILESTONE | ITW STA'-PUT | staron | NOVANITE | TOP STONE | WILSONART | |



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