

# SabreBond™ SE2



**SabreBond SE2 is a high performance adhesive for primerless bonding of windscreens and side glass in mass transit vehicles. It has very high initial tack and green strength and rapid strength build up.**

## Applications

- For use in glass bonding applications in the bus, coach, automotive, rail and leisure vehicle industries.
- For glass bonding in aftermarket applications where fast drive away times are required.
- Structural elastic bonding between metal, composite, painted surfaces, and many plastics (not PE, PP or Teflon).

## Characteristics

- High green strength, quick build-up of end strength, high shear strength after full cure
- High-performance mechanical properties
- Combines high stiffness with very high bond strength
- Does not contain isocyanates, silicone, solvent
- Can be sanded after full cure
- No bubble formation within adhesive
- Very easy to tool and finish
- High UV resistance
- Minimal health and safety considerations
- High specific adhesion
- Excellent long term durability
- Odourless
- No shrinkage

## Technical Characteristics

<b>Base Material</b>	MS Polymer
<b>Consistency</b>	Stable Paste
<b>Curing system</b>	Moisture
<b>Through cure rate (mm/24hrs)</b>	3.8
<b>Density (Kg/l)</b>	1.4
<b>Elasticity Modulus at 100% (N/mm<sup>2</sup>) ISO 37</b>	2.5
<b>Elongation at break (%) ISO 37</b>	>400
<b>Tensile strength (N/mm<sup>2</sup>) ISO 37</b>	>4
<b>Max open time (mins)</b>	20
<b>Shear strength (N/mm<sup>2</sup>) ASTM D1002 - rate - 6mm/min</b>	>3.5
<b>Shore a hardness ±5</b>	70
<b>Skin over time (mins)</b>	9
<b>Viscosity C&amp;P @ 0.6 s<sup>-1</sup> (Pa.s)</b>	3500
<b>Volume alteration (%)</b>	<2
<b>UV resistance ASTM G154 (CIELab - ΔE)</b>	0.32

(\*) These values may vary depending on environmental factors such as: temperature, moisture and type of substrates.

## Application

### Method

Manual or pneumatic caulking gun.

### Application Temperature

+5°C until +4 0°C.

### Cleaning

White Spirit or Sabre Surface Activator immediately after application and before skin formation.

### Tooling

Soapy solution before skin formation.

### Repair With

SabreBond SE2. We recommend preliminary compatibility tests previous to application.

## Shelf Life

12 months in unopened packaging, in a cool and dry storage place at temperatures between +5°C and +25°C.

## Substrates

### Nature

Clean glass and body side frame using Sabre Surface Activator. Allow 10 minutes to flash off and activate. A 'milky' white residue left on the glass is correct.

### Priming

Non-fritted glass needs to be primed with Sabre Primer PX (see TDS for Sabre® PG for application). We recommend preliminary compatibility tests previous to application.

## Packaging & Colour

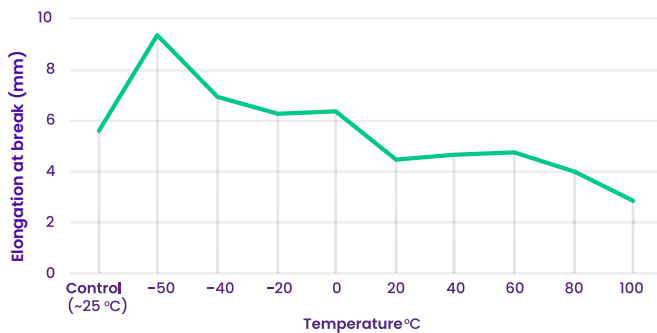
**Available colours:** Black

**Packaging size:** 290ml cartridge • 600ml foil pack • 200L on request



## Sabre - Elongation at break (ASTM D1002)

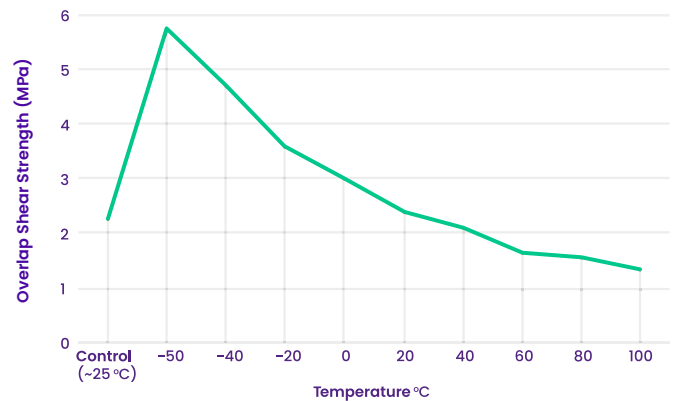
### 25mm overlapped joint



## Resistance to Chemical Agents

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

## Sabre - Base temperature (ASTM D1002)



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### IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

### LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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