






Sabre Bond SMP60

Sabre BOND SMP60

 <p>USE</p>	<p>High-stress structural bonding, neutral adhesive/sealant. Flexible Class A (+/-50%) joint movement. Ideal for production/repair of heavy-duty interior/exterior bonded applications, including high-traffic flooring, transport, production industry and building construction. Also specialist industrial bonding and as a robust one-part un-heated castable polymer (vibration pads, gaskets, etc)</p>																		
 <p>ADVANTAGES</p>	<p>Very flexible and early green strength – an ideal alternative to rivets, bolts and welding. High UV stability tested in Australia’s and NZ’s high ultra-violet environments. USDA-approved for plant food use. Non-hazardous. No solvents, isocyanates, biocides, silicone, or fire risk. Easy tooling, non-slump, smooth skinning, non-melt and colour stable. Paintable and no priming required on most substrates – see page two. Colours: white, grey, black. British Standard colours available on indent order. High dielectric strength – won’t promote corrosion between dissimilar metals when full adhesive spread is used.</p>																		
 <p>IMPORTANT</p>	<p>Not for automotive glazing. Not for aquarium use. Not for prolonged exposure to highly alkaline materials, e.g petrol, lye.</p>																		
 <p>SAFETY</p>	<p>Material Safety Data Sheet is on page four. Product is non-hazardous. Use with adequate ventilation. Vapour inhalation during cure may cause slight eye and/or throat irritation. National Poisons Centre: Australia 13-11-26 New Zealand 0800-764-766</p>																		
 <p>SPECIFICATIONS</p>	<table border="0"> <tr> <td>Skin time @ 20°C 50% r.humidity</td> <td>10 minutes</td> </tr> <tr> <td>Elongation @ break% DIN 53504/ISO 37 (rate = 50mm/min)</td> <td>+220%</td> </tr> <tr> <td>Tear strength @ 100% elongation (DIN 53504) (rate = 50mm/min)</td> <td>1.6MPa (N/sq.mm)</td> </tr> <tr> <td>Green strength (PR MC100)</td> <td>+/-520Pa</td> </tr> <tr> <td>Lap shear</td> <td>3.1MPa (N/sq.mm)</td> </tr> <tr> <td>Hardness shore ‘A’</td> <td>+/-50</td> </tr> <tr> <td>Application temperature</td> <td>+3°C to +30°C</td> </tr> <tr> <td>Service temperature</td> <td>-22°C to +140°C</td> </tr> <tr> <td>UV rating</td> <td>after 2000 hours UV-A no appearance or physical property changes ASTM G26</td> </tr> </table>	Skin time @ 20°C 50% r.humidity	10 minutes	Elongation @ break% DIN 53504/ISO 37 (rate = 50mm/min)	+220%	Tear strength @ 100% elongation (DIN 53504) (rate = 50mm/min)	1.6MPa (N/sq.mm)	Green strength (PR MC100)	+/-520Pa	Lap shear	3.1MPa (N/sq.mm)	Hardness shore ‘A’	+/-50	Application temperature	+3°C to +30°C	Service temperature	-22°C to +140°C	UV rating	after 2000 hours UV-A no appearance or physical property changes ASTM G26
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HOW TO USE

Application:

Substrates to be clean of oil, dirt, contaminants and old sealant.

Mask joint edges.

Cut nozzle end at 45 degrees angle to the desired opening.

Cut end from cylinder bung leaving the thread.

Screw nozzle to bung thread.

Place in cylinder applicator gun.

Insert nozzle into joint, squeeze trigger and push gun in a forward direction – never pull backwards as air may be trapped in joint preventing a good seal.

Remove masking before skinning.

See opposite page for joint designs and joint quantity estimation table >

Priming:

Priming is not generally needed.

Clean critical substrates with SABRE WIPE, an excellent static degausser for all plastics.

Prime porous concrete, timber, brick and stone with SABRE PrimePo.

Prime critical non-porous surfaces, i.e. hi-nickel, stainless steel or bronze, with SABRE PrimeMet.

Painting:

SABRE SEAL MS is suitable for most paints – test for compatibility.

For best paint bond, apply promptly after sealant cure.

'Slippery' powder-coats will bond better if lightly abraded then wiped with SABRE WIPE.



100m JOINT QUANTITY ESTIMATION TABLE

JOINT SIZES		300ml	600ml
Width	Depth	CYL	SAUS
5	5	8	4
6	6	12	6
8	8	22	11
10	10	34	17
12	12	46	23
15	10	50	25
15	12	60	30
15	15	75	38
20	10	87	44
20	20	134	67
25	12	100	50
25	25	210	105
30	15	160	80
30	30	300	150
40	20	266	113
40	40	634	317

FIGURE 1 DESIGN

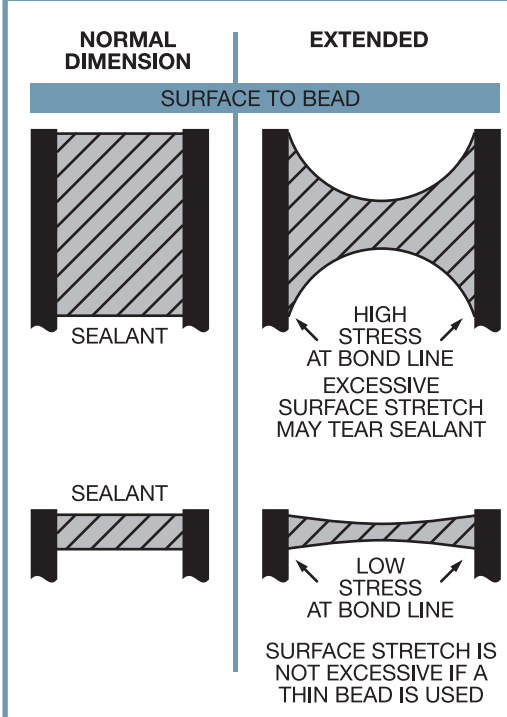


FIGURE 2 BOND BREAKER

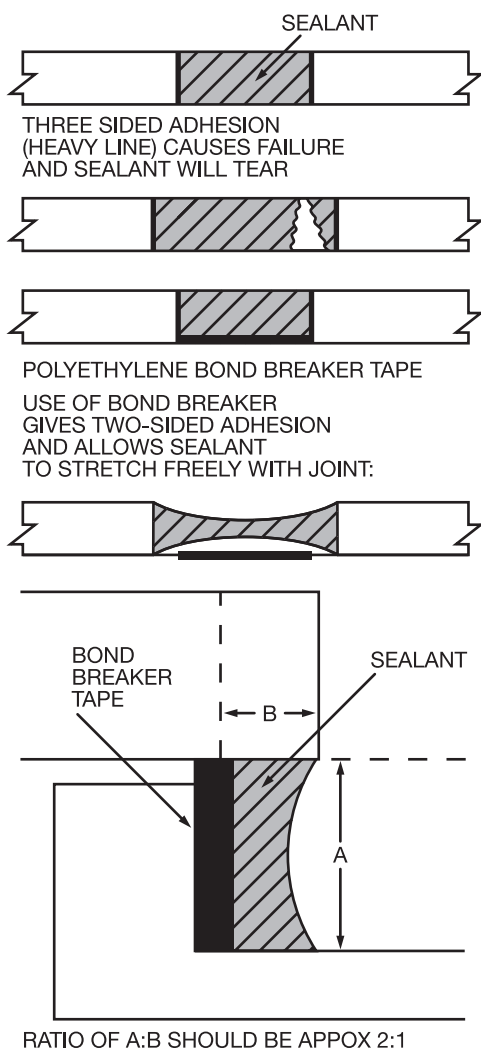
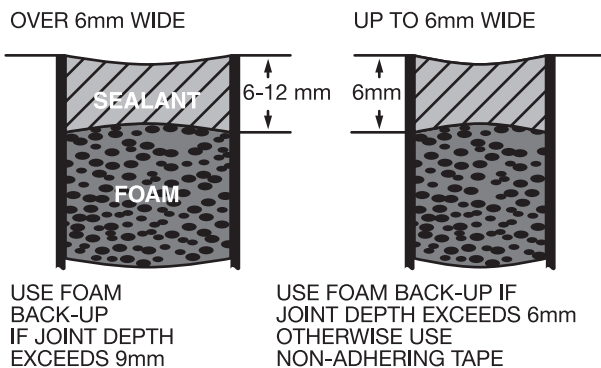
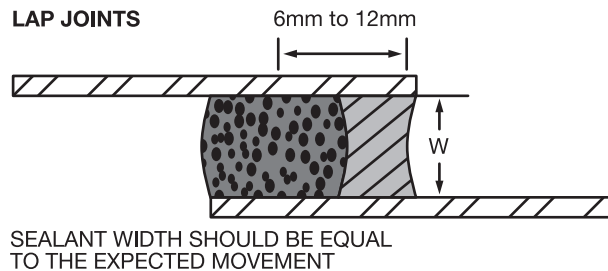


FIGURE 3 TYPICAL JOINT DETAILS

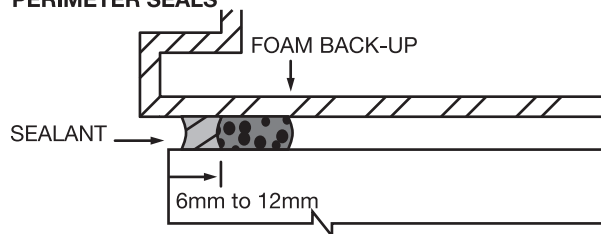
BUTT JOINTS



LAP JOINTS



PERIMETER SEALS



Sabre Bond SMP60

Product:

Sabre Seal MS, all colours.	
Chemical family	Sylol modified polymer
Proper shipping name	N/A
Use	Extra strong, fast cure, high-traffic structural bonding and joint sealing
UN number	N/A
Hazard class	N/A
Subsidiary risk	N/A
Hazchem code	N/A
Poisons schedule	N/A
Packing group	N/A

Description/properties:

Coloured thixotropic viscosity	
Odour	Nil
Specific gravity	+/- 1.3 – 1.7
Water solubility	Nil – incompatible
Flash point	+100°C (un-cured)
Autoignition	N/A
Plastic point	N/A
Vapour pressure	Nil
Flammability	Yes
VOC	Less than 9g/L (nil – minimal)

Ingredients:

Ingredients:	Content	CAS. No
Calcium carbonate	less than 70%	1317-65-3
Proprietary polymers	less than 30%	–
Titanium dioxide	less than 10%	13463-67-7
Carbon black*	less than 1%	1333-86-4

*Black and grey only

Health hazard data:

Swallowed	Very low toxicity
Eye	Mild product/vapour irritation possible. Uncured material is hydrophylic.
Inhaled	Avoid constant vapour inhalation which may cause mucous membrane irritation.

First aid:

Swallowed	Ingesting large amounts may be harmful. Do NOT induce vomiting. Give NOTHING by mouth. Contact doctor or National Poisons Centre: Australia: 13-11-26 New Zealand: 0800-764-766
Eye	Hold eye(s) open and flush with clean water for at least 15 minutes and see doctor.
Skin	Remove contaminated clothing and rinse skin copiously for at least 15 minutes.
Inhaled	Remove to fresh air. If symptoms persist, see doctor.

User precautions:

Exposure limits:

Department of Labour Workplace Exposure Standards 1994.
TWA is Time Weighted Average.
STEL is Short Term Exposure Limit.
TLV is Threshold Limit Value.

Chronic exposure:

Chronic exposure has indicated potential liver abnormalities in rats.

Ventilation:

Use in well ventilated areas.

Human protection:

In normal use, respiratory protection not needed. Enclosed space use requires a nose/mouth organic vapour respirator. Wear PVC or latex gloves to prevent skin drying/irritation or contamination. Wear safety glasses if eyes may be contacted.

Safe handling:

Storage/Cartage:

Product is non-hazardous.

Spills/Disposal:

Isolate. Collect and store in closed package. Dispose in suitable manner.

Fire/Explosion:

Minimal flammability but will combust at very high temperatures.
Fire extinguishing: Foam, carbon dioxide or dry chemical.
Special fire fighting procedures: Wear self-contained approved breathing gear if large volumes burning.
Combustion bi-products: Carbon dioxide and various unidentified organic compounds.

Other:

Product is non-hazardous but can cause irritation. Use reasonable care as with all chemicals.

YOUR SABRE RETAILER:

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This MSDS was prepared following NZ Ministry of Health format. Data quoted is typical for the product but doesn't constitute specification and is based on the most accurate data available at the time of writing. All data is offered in good faith, but is subject to change without notice and no warranty is expressed or implied as to data accuracy. Because the conditions under which our products are stored and used are beyond our control, our recommendations must not be regarded as amounting to legal warranty or as involving any liability on us.

