



Temperature
resistance



High
Strength



Fast
Curing

Born2Bond™ SIL-9605

**STRONG BONDING, FAST PROCESSING,
HIGH HEAT RESISTANCE 2K SILICONE**

TECHNICAL DATA SHEET

KEY FEATURES

- Fixture time 5 -10 minutes
- Quick part processing
- High cured strength (>100kgF) when fully cured
- 180°C Hot strength

DESCRIPTION

Bostik Born2Bond™ SIL- 9605 is a two-component, 100% silicone, room temperature cure sealant that rapidly builds adhesive and elastomeric strength for appliance assembly. It develops high initial green strength, so you don't have to slow your production processes. The rapid cure sealant allows for movement of assemblies within minutes of bonding.

BASIC USES

Born2Bond™ SIL-9605 functions as a strong adhesive sealant which develops bonds to most substrates commonly used in appliance assembly. This innovative formula allows for high unit throughput, low pumping viscosity on production equipment, and void-free filling of the bonded joint.

APPLICATIONS

Born2Bond™ SIL-9605 functions as an adhesive sealant in white goods assembly, namely, electric stove-top bonding, overhead hood assemblies that require high temperature resistance. The adhesive can be also used in applications as in refrigerator and washer/dryer assembly.

PACKAGING

Born2Bond™ SIL-9605 is available in 208L drums and in 19L pails, and dual two-component 2:1 cartridges.

SHELF LIFE

Born2Bond™ SIL-9605 has a shelf life of 1 year from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at, or below 25°C.



Typical Uncured Properties

Physical Properties	Part A	Part B
Appearance	Paste (Black)	Paste (White)
Viscosity	75,000 – 150,000 mPa.s	40,000 – 55,000 mPa.s
Specific Gravity	1.25 – 1.35	1.60 – 1.75

Typical Mixed Properties

Physical Properties	Typical Value
Color	Black
Specific Gravity	1.35 – 1.45
Mix Ratio	2:1
Skin Over Time (minutes)	< 4
Snap Time (Minutes)	< 8

Typical Cured Physical Properties

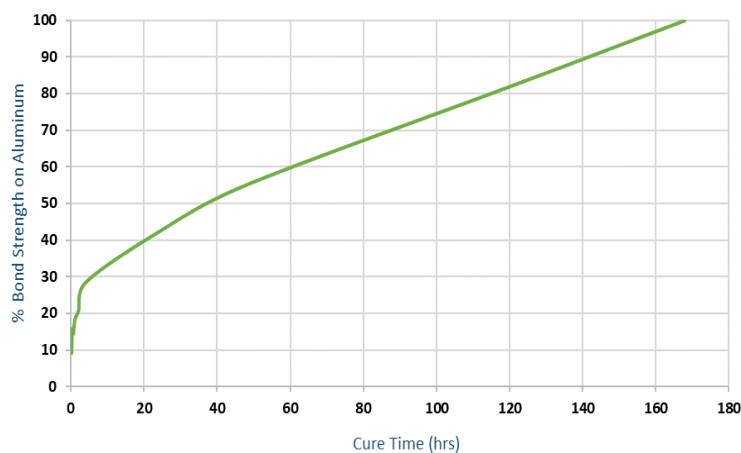
Physical Properties	Test Method	Typical Values
Color		Black
Tensile Strength	ASTM D412	1.38 - 2.07 N/mm ²
Elongation	ASTM D412	1.60 – 1.75
Shore A Hardness	ASTM D1002	35 - 45

Typical Performance of Cured Material on Varied Substrates

Lap Shear Adhesion, ASTM D1002	Typical Values (N/mm ²)
Ceramic Glass to Stainless Steel	1.26
Ceramic Glass to Aluminum	1.41
Stainless Steel	1.12
Polyester Painted Aluminum	0.90
Ceran™	1.17
Ceramic Tile	1.32
Galvalume, S280GD + AZ130_ASU	1.32
Aluminum 5754	1.39
Glass	1.03

Cured 7days @25°C/50%RH, 1.0mm gap

Adhesive Strength Buildup on Aluminum



Cured 7days @25°C/50%RH, 0.3mm gap

HEALTH AND SAFETY PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for disposal of solvent and silicone waste. For additional information consult product SDS. Silicone setting blocks are recommended for direct contact SIL-9605. Avoid using non-silicone materials (i.e., EPDM, Neoprene) as they could degrade or discolor the product seal over time. Compatibility testing is recommended on all materials that are to be in direct contact with SIL-9605. Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides.

LIMITATIONS

Not recommended for: Joints continuously submerged under water; Areas needing paint or stain. The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

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