



Household Appliance Adhesives and Sealants Solutions



H.B. Fuller

Connecting what matters.™



Innovative Adhesive Solutions for Household Appliance

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. With fiscal 2018 net revenue of \$3.0 billion, H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in engineering, electronic and assembly materials, hygiene, construction, automotive, packaging and other consumer businesses. And our promise to our people connects them with opportunities to innovate and thrive.

Based on needs of home appliance design, production and consumer applications, H.B. Fuller provides comprehensive adhesive solutions for home appliance companies. H.B. Fuller bonding and sealing products have been serving refrigerators, washing machines, air conditioners, microwave ovens and other home appliance manufacturers for decades. Every year, tens of millions of home appliances using H.B. Fuller products come into consumers' homes. In the future, H.B. Fuller will continue to provide environmentally-friendly, reliable, durable sealing and bonding products, high-precision supporting sizing equipment and integrated solutions for home appliance companies.

For more on how we can help you with adhesives and sealants solutions for your applications, contact our team of durable assembly.

For more information, please visit : www.hbfuller.com

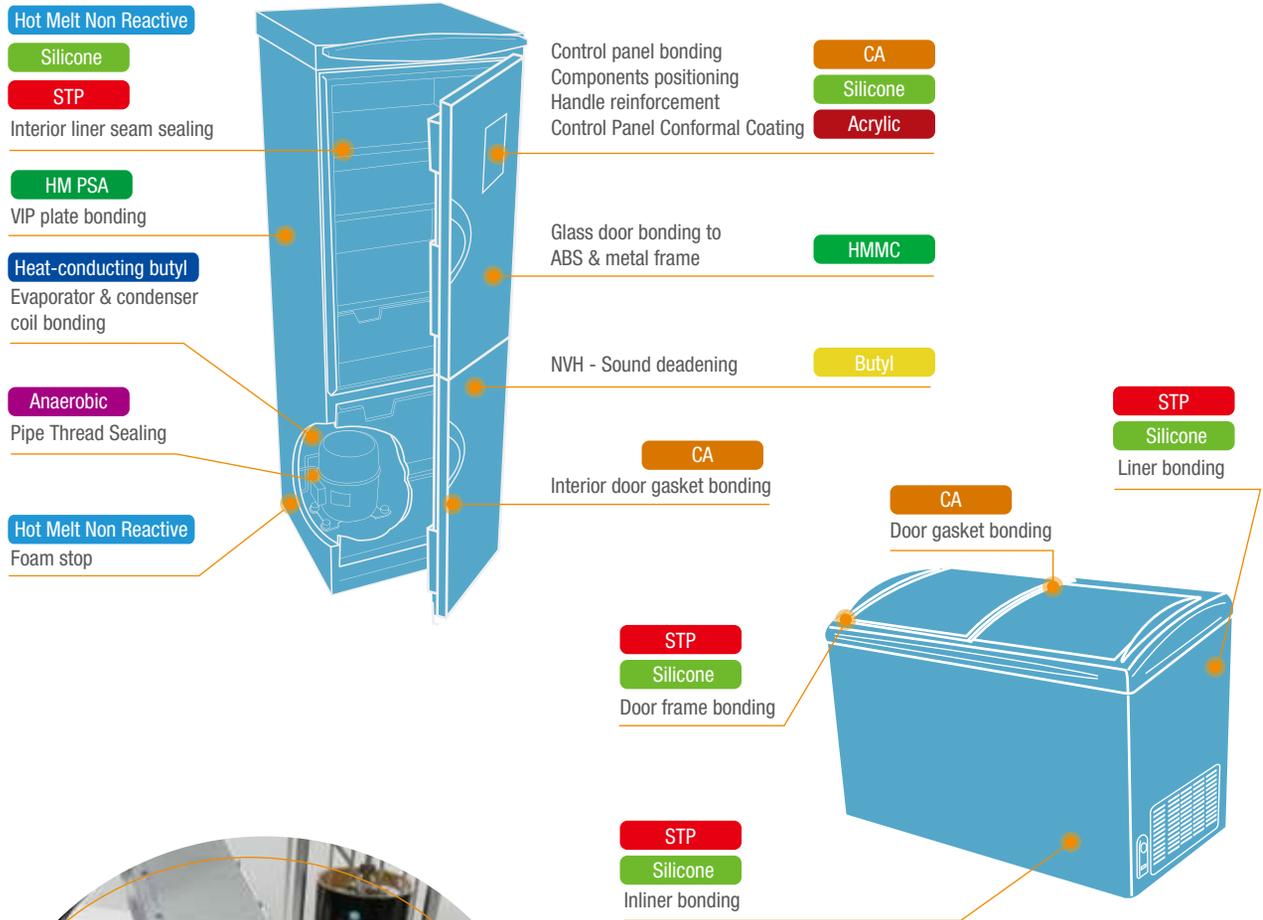
TABLE of CONTENTS

Refrigerator and Freezer Product Solutions.....	2
Washing Machine Product Solutions	4
Air Conditioner Product Solutions.....	6
TV Product Solutions.....	8
Kitchen Appliance Product Solutions.....	10
Other Appliances Product Solutions.....	12
Key Properties.....	14



Refrigerator and Freezer Product Solutions

H.B. Fuller's product line covers hot melt adhesive, silicone, butyl, modified silane, acrylic acid and epoxy, etc. Combination of various products and equipment makes the manufacturing process of refrigerators and freezers simpler and more reliable, providing manufacturers with automated, high-value solutions.



1593W Electronic Equipment Sealant

White color, single de-alcohol RTV silicone. Low odor, no solvent, no corrosion. Suitable for sealing and bonding refrigerators, freezers and other household appliances, also can be used in electronic and electrical equipments.

STP1921-Rohs Modified Silane Sealant

White, grey and black, single component, moisture curing, suitable for elastic sealing of door gap, water tank frame and other places, and has passed ROHS certification.

1567 Anaerobic Thread Sealant

White color. A paste-like, high viscosity, general purpose sealant, self-lubricating, resistant to high temperature chemicals such as oil, gas, vapor, and water. Suitable for locks and seals tapered pipe pipe system.

7327-1 Reactive hot melt adhesive

Single component, 100% solid content, no solvent, zero VOC, low viscosity, easy to press, low application temperature. Excellent resistance to solvent and heat. Suitable for bonding most plastic and glass substrates.

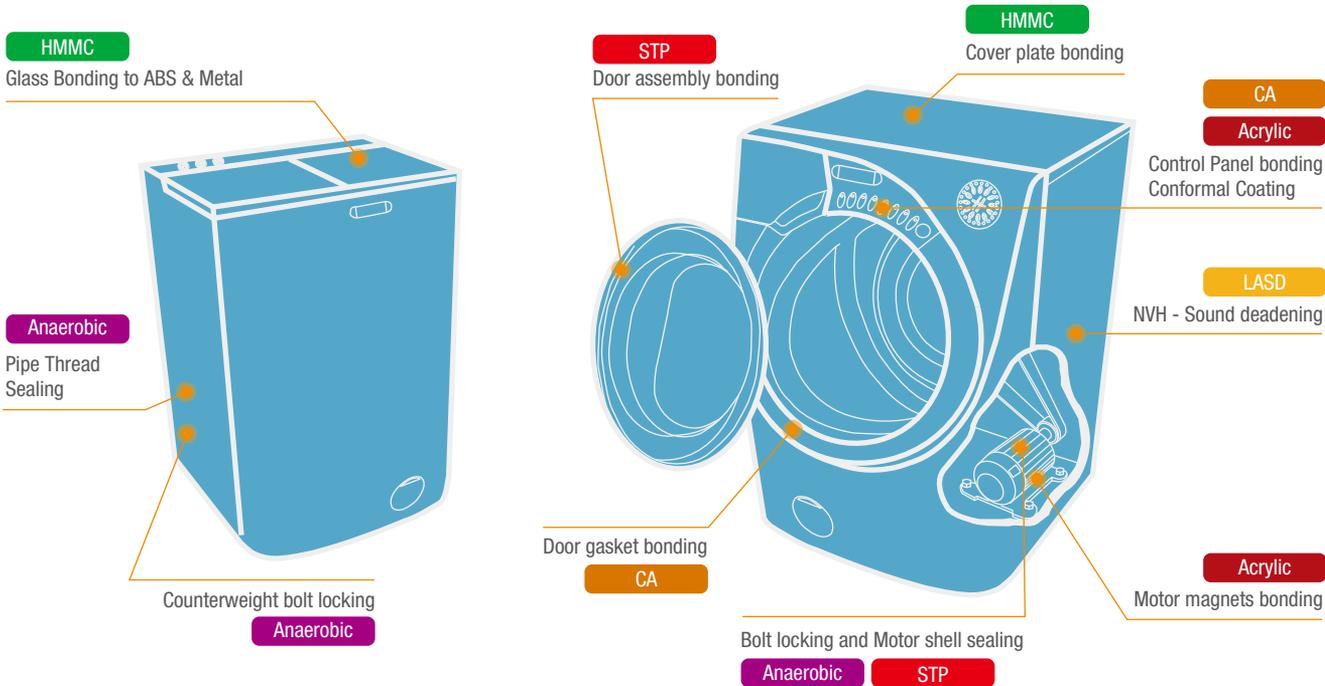
CHM – 6418A Hot melt adhesive

Excellent foaming performance, strong adhesive force and good cohesion. Suitable for foamed caulking assembly application.



Washing Machine Product Solutions

H.B. Fuller focuses on cost control and product quality together with customers, providing customers with products solutions for washing machines including automatic sizing equipment, which can achieve durable, reliable, environmentally friendly and efficient sealing and bonding, and help customers reduce cost and increase efficiency.



7674G Reactive hot melt adhesive

Single component, 100% solid content, no solvent, environmentally friendly. High initial adhesion, good toughness, excellent bonding strength and impact strength. Suitable for bonding plastic, coating and other substrate, to meet the requirements of automatic production line.

MS1939FR Modified Silane Sealants and Adhesives

Black, single component, high elasticity, flame retardant type. Suitable for sealing and bonding where flame retardant is required.

1243 Thread Locker

Blue, high strength, thixotropic viscosity, excellent chemical resistance, can be used on light oil surface. Applied for fastener diameters from 6mm to 20mm. Available disassembled by hand tools.

1271 Thread Locker

Red, high strength, low viscosity, and good chemical resistance. Apply for fastener diameters up to 27mm. Permanently locked.

STP1921-Rohs Modified Silane Sealant

White, grey and black, single component, moisture curing, suitable for elastic sealing of door gap, water tank frame and other places, and has passed ROHS certification.

TS832 High Strength and High Temperature Resistant Epoxy Adhesive

Yellow, double components, volume ratio in 2:1, high strength and good toughness, heat resistance up to 150°C in long term and 180°C in short time. Low viscosity, suitable for potting bonding and have a good bonding performance to metal, stone, wood, ceramic and most of plastics.

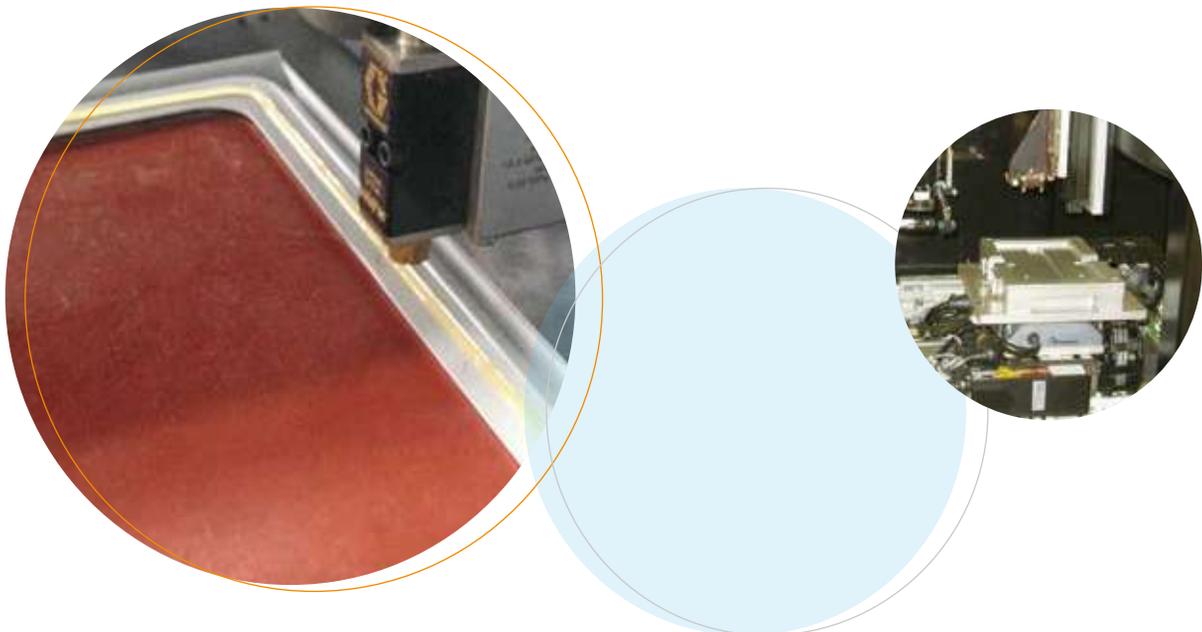
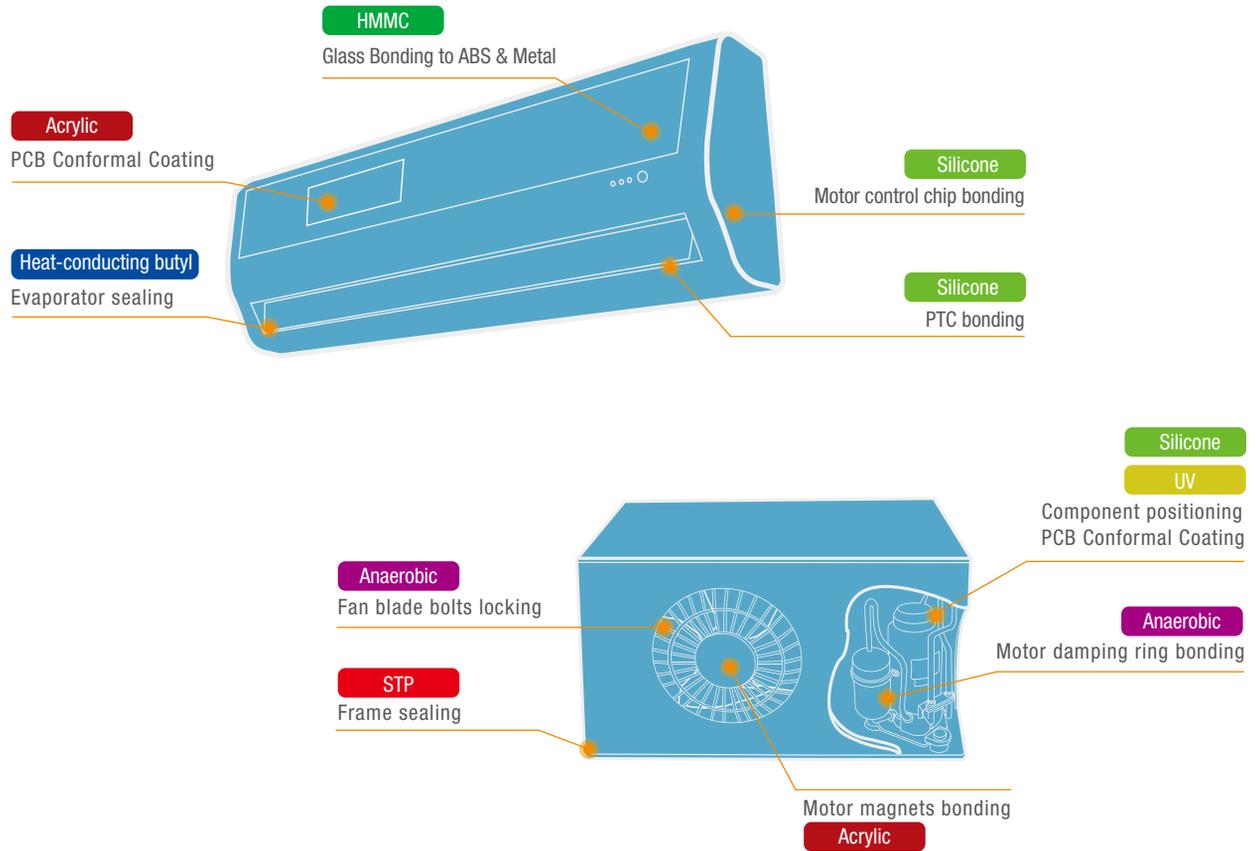
TS843 High Temperature Resistant Epoxy Adhesive

Dark grey, double components, volume ratio in 2:1, high strength and good toughness, heat resistance can up to 150°C in long term and 180°C in short time. High viscosity, suitable for potting bonding, thixotropic, not flow on vertical surface. Suitable for mental and other parts bonding in high temperature and harsh conditions.



Air Conditioner Product Solutions

H.B. Fuller's total air conditioning solution not only meets the requirements of bonding and sealing for different applications in air conditioning manufacturing and assembly, but also saves costs, simplifies assembly process and speeds up production cycle.



7327-1 Reactive hot melt adhesive

Single component, 100% solid content, no solvent, zero VOC, low viscosity, easy to press, low application temperature. Excellent resistance to solvent and heat. Suitable for bonding most plastic and glass substrates.

1529 Electronic Equipment Sealant

Single component heat curing silicone, good heat resistance, high strength, excellent electrical aging properties, HB flame retardant level. Mainly used in PTC (positive temperature coefficient thermistor) and other electronic appliances Industry.

1535 thermal conductive silicone rubber sealant

Single de-alcohol RTV silicone, neutral, low odor, paste. Excellent electrical properties, weather resistance and chemical resistance properties, at the same time with good flame retardant and thermal conductivity, thermal conductivity coefficient of 1.8 W/m K. Suitable for fixing electronic components and electronic appliances sealing and bonding; And cooling and cooling of electronic components.

1536 Electronic Potting sealant

Gray, de-alcohol type, flame-retardant level —UL-94 V0, self-leveling, non-corrosive to circuit, suitable for sealing of electric components and body case.

1680 Retaining Compounds

Green, medium viscosity, high strength and resistant to solvents. For retaining components with radical gap less than 0.25mm, such as drive pipe, gear, and rotor.

STP1921-Rohs Modified Silane Sealant

White, grey and black, single component, moisture curing, suitable for elastic sealing of door gap, water tank frame and other places, and has passed ROHS certification.

AC801 Conformal coating

Acrylate system, quick curing at room temperature, can be sprayed, brush coating and dip coating. Suitable for coating printed circuit boards, electronic components, Integrated circuit and other surface, to protect various electronic components and welding points, and improve insulation. Passed UL-94 V0 testing.

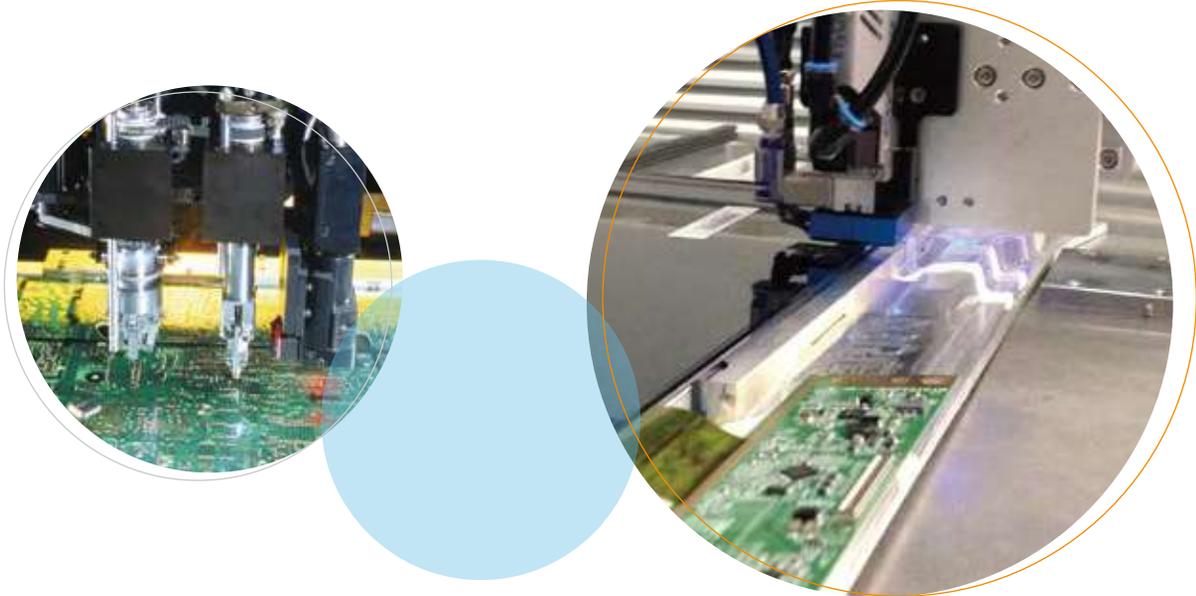
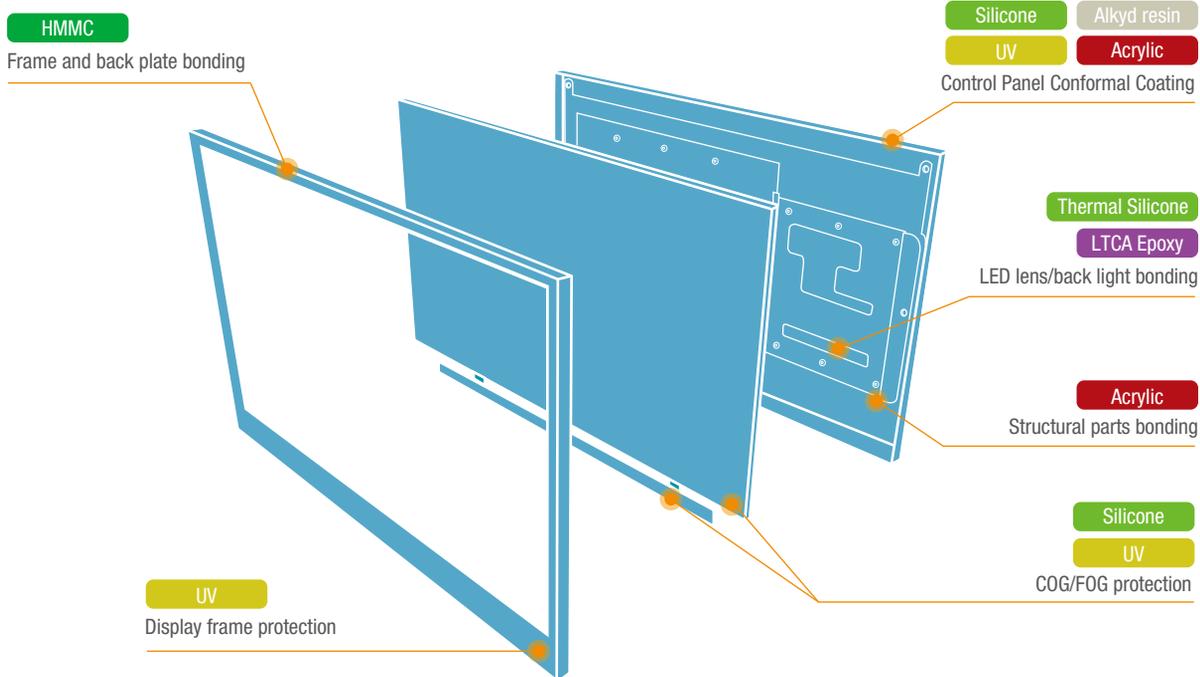
UV890SF Conformal coating

Solvent-free, excellent dielectric and Proof tracking properties, excellent for thermal shock. Different viscosity for suitable for a variety of process requirements.



TV Product Solutions

H.B. Fuller products are applied in various processes of TV assembly, including SMT patches, conformal coating, COG protection, etc., providing effective guarantee for assembly and protection of household appliances, ensuring their reliability and service life.



1593W Electronic Equipment Sealant

White color, single de-alcohol RTV silicone. Low odor, no solvent, no corrosion. Suitable for sealing and bonding refrigerators, freezers and other household appliances, also can be used in electronic and electrical equipments.

1495 Instant Adhesive

Transparent. medium viscosity, good peeling resistance. Suitable for bonding rubber, metal and plastic.

AC801 Conformal coating

Acrylate system, quick curing at room temperature, can be sprayed, brush coating and dip coating. Suitable for coating printed circuit boards, electronic components, Integrated circuit and other surface, to protect various electronic components and welding points, and improve insulation. Passed UL-94 V0 testing.

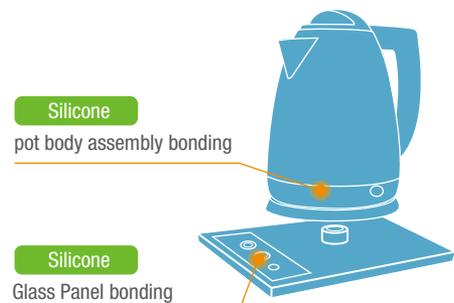
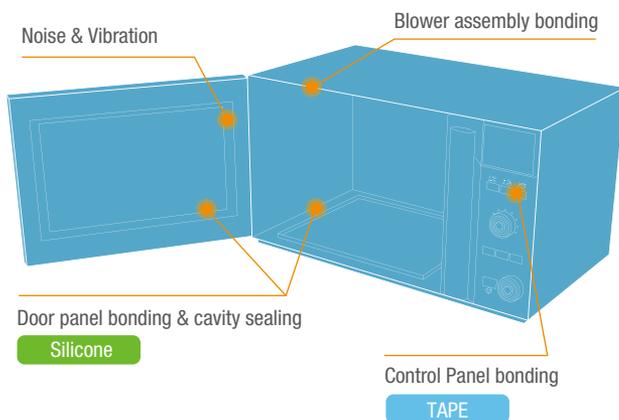
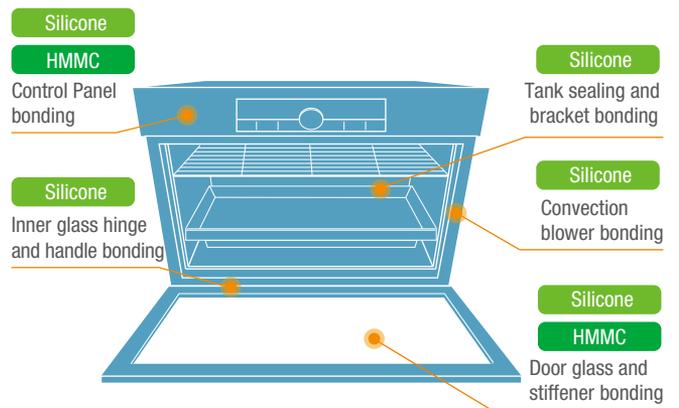
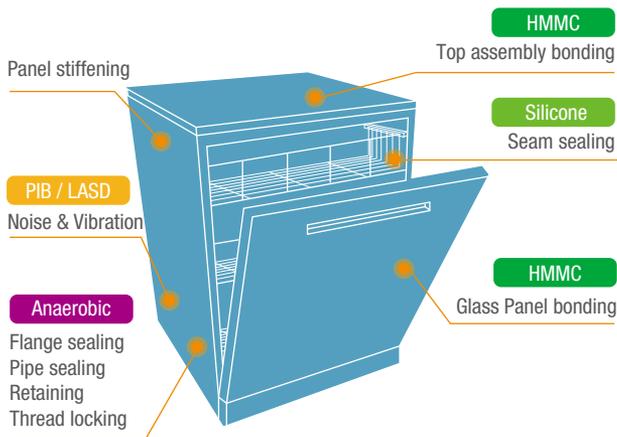
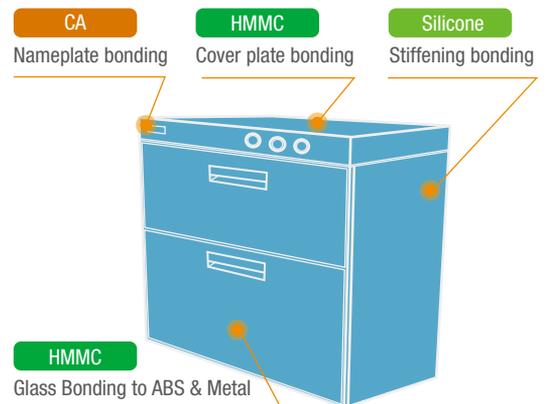
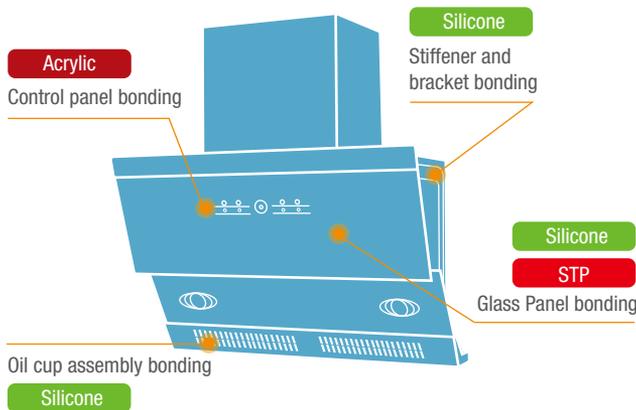
UV890SF Conformal coating

Solvent-free, excellent dielectric and Proof tracking properties, excellent for thermal shock. Different viscosity for suitable for a variety of process requirements.



Kitchen Appliance Product Solutions

In addition to bonding a variety of materials, high temperature resistant performance and fast curing, H.B. Fuller products also very pay attention to safe environmental protection, widely used in high temperature kitchen appliances such as microwave oven, oven and steaming box, and other kitchen appliances. It can not only ensure safe use of end consumers, but also ensure health and safety of assembly workers.



1527B Microwave Oven Sealant

Black and special designed for microwave ovens, low viscosity, curing sealant is continuous and smooth. Good scrubbing and scaling resistance. Apply to sealing home appliances, and specialized for sealing microwave oven glass and cavity. Suitable for mechanical applying. Pass FDA food grade testing.

1528H Silicone sealant

Black, single component, addition reaction silicone, fast curing. The curing material has excellent weather resistance and acid and alkaline resistance. Suitable for microwave glass plate bonding and sealing.

1596 Silicone Sealant

Grey, low viscosity, good resistance to oil. Apply to sealing joint surface.

STP1921-Rohs Modified Silane Sealant

White, grey and black, single component, moisture curing, suitable for elastic sealing of door gap, water tank frame and other places, and has passed ROHS certification.

TS825 High performance structural adhesive

Acrylate structural adhesive, easy to operate, quick fixing, high bonding strength, good toughness. Excellent resistance to heat and fatigue, suitable for self-bonding and mutual bonding of resin, metal and composite materials. Pass the 80°C oil boiling test.

2530 Two-Component Electrical Special Sealant

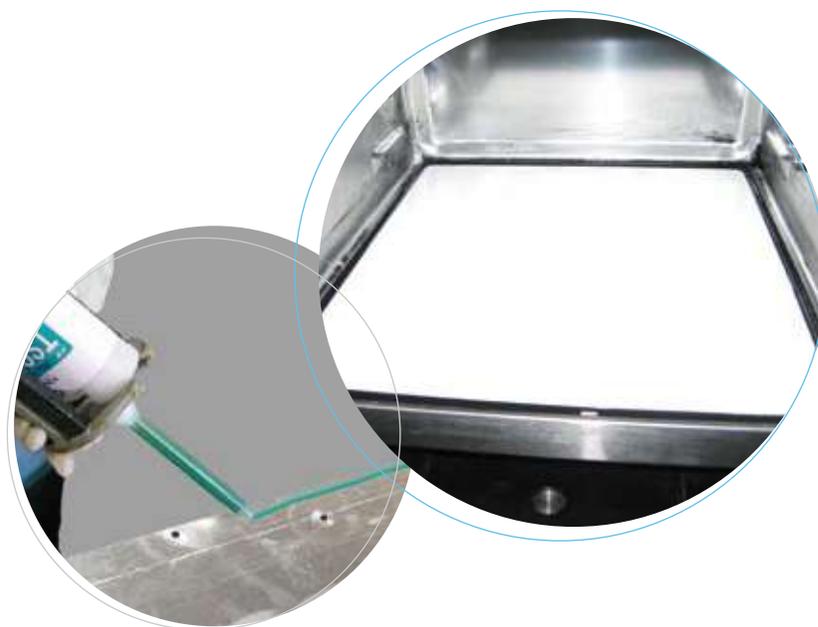
Black, two components, addition reaction volume ratio (A: B) 1: 1, 100 °C, 5min fast curing, FDA food grade test, long-term temperature of 300 °C, excellent bonding of metal, glass and other materials.

2536 High efficiency bonding sealant

Two-component, dealcoholized silicone, low odor, no solvent, room temperature curing, suitable for bonding metal, glass and other materials, with excellent UV and weather resistance. Excellent electrical performance, used for sealing and bonding of household appliances.

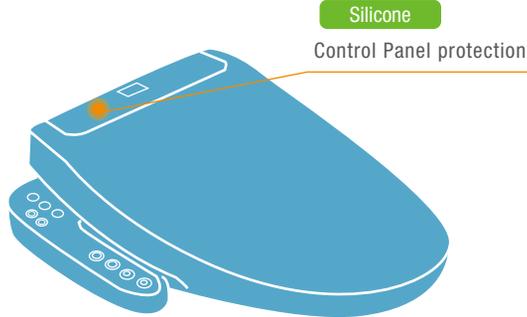
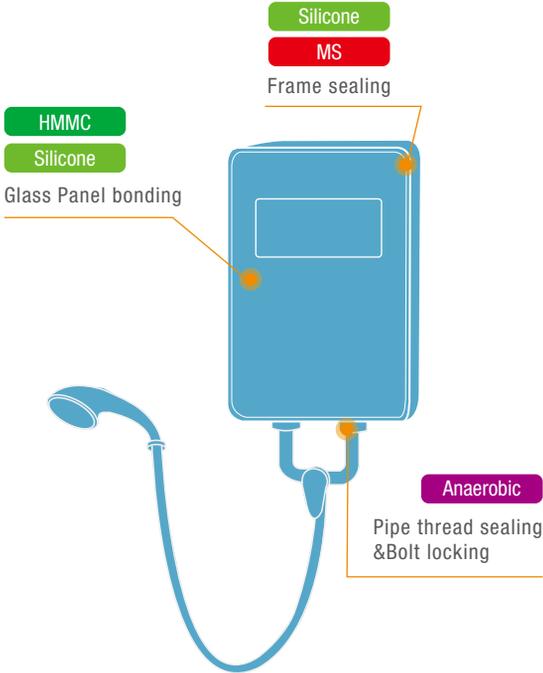
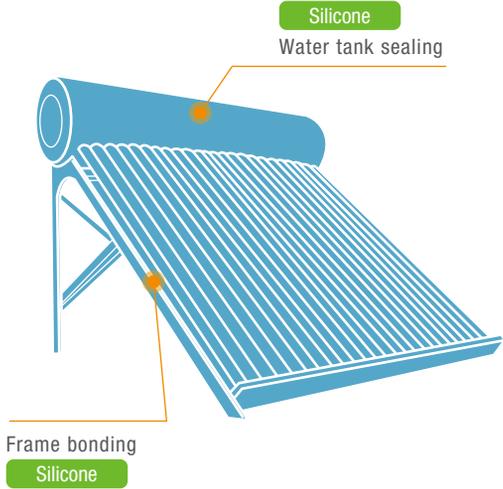
7967F Reactive hot melt adhesive

Slight yellow, single component, with extremely long opening time, fast curing speed and good flexible. Good water resistance and aging resistance, low curing shrinkage, good impact resistance, high peel resistance, no halogen. It can be used for bonding materials such as wood, metal, glass, textile, polyurethane foam, plastics such as ABS/PVC/PC, aluminum, etc.



Other Appliances Product Solutions

H.B. Fuller provides a series of high performance and environmental friendly adhesive products and supporting solutions for various household appliances, also widely used in solar water heater, gas water heater, electric water heater and intelligent toilet.



1593FR Thixotropic /1536 flowable sealant for electrical applications

Gray, de-alcohol silicone, fast surface drying, high flame retardant, ul-94 V0 flame retardant grade, non-corrosive circuit, excellent electrical insulation, used for coating and sealing of electrical components and circuit boards. Gray, de-alcohol type, flame-retardant level —UL-94 V0, non-corrosive to circuit, excellent electrical insulation, used for coating and sealing of electrical components and circuit boards.

1593W Electronic Equipment Sealant

White, single de-alcohol RTV silicone. Low odor, no solvent, no corrosion. Suitable for sealing and bonding refrigerators, freezers and other household appliances, also can be used in electronic and electrical equipments.

1567 Anaerobic Thread Sealant

White, A paste-like, high viscosity, general purpose sealant, self-lubricating, resistant to high temperature chemicals such as oil, gas, vapor, and water. Suitable for locks and seals tapered pipe pipe system.

2536 High efficiency bonding sealant

Two-component, dealcoholized silicone, low odor, no solvent, room temperature curing, suitable for bonding metal, glass and other materials, with excellent UV and weather resistance. Excellent electrical performance, used for sealing and bonding of household appliances.

1243 Thread Locker

Blue, high strength, thixotropic viscosity, excellent chemical resistance, can be used on light oil surface. Applied for fastener diameters from 6mm to 20mm. Available disassembled by hand tools.

1271 Thread Locker

Red, high strength, low viscosity, and good chemical resistance. Apply for fastener diameters up to 27mm. Permanently locked.



Key Properties

Reactive Hot Melt Adhesive

Product	Color	Initial Adhesion	Open Time (min)	Shear Strength (PC-PC MPa)	Specific Gravity (g/cm ³ @20°C)	Viscosity (mPa.s)	Application Temperature (°C)	Packing Specifications
7327-1	Water-white to light yellow	Medium	5-8	4-6	1.1	8000-13000 @120°C	130~150	2kg/Cartridge 19kg/Pail 190kg/Drum
7674G	Water-white to light yellow	High	4-8	5-7	1.02	7000±2500 @163°C	150~170	2kg/Cartridge 16kg/Pail 180kg/Drum
7967F	Yellow	Higher	>4	8.2	1.02	10000@163°C	150~170	2kg/Cartridge 16kg/Pail 180kg/Drum

Silicone and Modified Silane

Product	Color	Mix Ratio (VA:VB)	Open Time (@23°C)	Cure Time (@23°C)	Tensile Strength (MPa)	Elongation at break (%)	Hardness (Shore A)	Volume resistivity (Ω.cm)	Application Temperature (°C)	Packing Specifications
2530	Black	4:1	30min	5min@120°C	1.8	200	27	-	-50~300	A-18kg/Pail、 B-16kg/Pail
2536	Black	10:1	10min	30min can clean-up	2.0	200	47	1.0×10 ¹⁵	-40~200	400ml/Dual cartridge A-22kg/Pail、 B-18kg/Pail
1527B	Black	Specific Gravity (g/cm ³) 1.10	Tack Free Time (min) 5~30	≥2mm/24h	1.2	180	28	2.0×10 ¹⁵	-50~250	18kg/Pail
1528H	Black	1.06	5~30	≥2mm/24h	1.7	390	22	2.0×10 ¹⁵	-54~180	18kg/Pail
1529	Gray	1.20	5~20	≥2mm/24h	2.0	150	30±5	1.5×10 ¹⁵	-45~180	310ml/Cartridge、 20kg/Pail
1535	Gray	1.20	5~20	≥2 mm/24h	2.0	150	30±5	1.5×10 ¹⁵	-45~180	310ml/Cartridge、 20kg/Pail
1536	Gray	1.20	5~20	≥2 mm/24h	2.0	150	30±5	1.5×10 ¹⁵	-45~180	310ml/Cartridge、 20kg/Pail
1593FR	Gray	1.20	5~20	≥2 mm/24h	2.0	100	45±5	1.5×10 ¹⁵	-45~180	310ml/Cartridge、 18kg/Pail

Product	Color	Mix Ratio (VA:VB)	Open Time (@23°C)	Cure Time (@23°C)	Tensile Strength (MPa)	Elongation at break (%)	Hardness (Shore A)	Volume resistivity ($\Omega \cdot \text{cm}$)	Application Temperature (°C)	Packing Specifications
1593W	White	1.40	5~15	≥ 2 mm/24h	2.0	300	-	1.0×10^{15}	-54~180	310ml/Cartridge
1596	Gray	1.18	5~20	≥ 2 mm/24h	2.0	260	35	-	-54~260	100g/Tube - 310ml/Cartridge
STP1921 -Rohs	White /Black /Gray	1.45	20~30	3 mm/24h	1.8	350	35	-	-50~90	310ml/Cartridge - 400ml/Sausage - 600ml/Sausage
STP1921 Fast Curing	Black	1.45	10	4 mm/24h	2.4	350	45	-	-50~90	400ml/Sausage - 25kg/Pail
MS1939FR	Black	1.45	5~20	4 mm/24h	3.0	180	52	-	-40~100	600ml/Sausage

Anaerobic

Product	Color	Viscosity (mPa.s)	Sealing pressure (MPa)	Break torque (N.m)	Prevail torque (N.m)	Fixture time (min)	Fully cured time (h)	Application Temperature (°C)	Packing Specifications
1243	Blue	2800/ Thixotropic	-	20	7	10	24	-60~150	50ml/Bottle - 250ml/Bottle
1271	Red	550	-	30	30	10	24	-60~150	50ml/Bottle - 250ml/Bottle
1567	White	5.54×10^5	71	-	-	120	24	-60~204	50ml/Tube - 250ml/Bottle
1680	Green	1500	23	-	-	10	24	-60~150	50ml/Bottle - 250ml/Bottle

Cyanoacrylate Adhesive

Product	Color	Viscosity (mPa.s)	Gap fill (mm)	Shear strength (steel-steel MPa)	Fixture time (s)	Fully cured time (h)	Application Temperature (°C)	Packing Specifications
1495	Clear	45	0.1	20	5	24	-50~120	20g/Bottle - 500g/Bottle

Acrylic Structure Adhesive

Product	Color	Mix Ratio (VA:VB)	Open Time (min)	Fix Time (min)	Fully Cured Time (h)	Shear Strength (MPa)	Tensile Strength (MPa)	Peel Strength (N/mm)	Application Temperature (°C)	Packing Specifications
TS825	Light blue	10:1	4~6	5~9	24	32.3	30.6	7.3	-60~150	50ml / Dual cartridge

Epoxy Structure Adhesive

Product	Color	Mix Ratio (VA:VB)	Open Time (min)	Fully Cured Time (h)	Shear Strength (MPa)	Tensile Strength (MPa)	Peel Strength (N/mm)	Application Temperature (°C)	Packing Specifications
TS832	Yellow	2: 1	30~45	2h@80°C or 7days	29.0	30.0	3.8	-40~150	400ml / Dual cartridge
TS843	Dark gray	2: 1	60~90	2h@80°C or 7days	27.0	40.0	--	-40~180	400ml / Dual cartridge

Conformal Coating

Product	Color	Viscosity (mPa.s)	Cure Schedule	UV Cure Energy (50±5%RH)	Tack Free Time	Packing Specifications
AC801	Light yellow	30	24hrs@25°C	--	5-10min@25°C	2L/Tin
UV890SF	Light yellow	150-800	UV/Moisture	3000-3500	--	1kg/Tin

Non-reactive hot melt adhesive

Product	Color	Viscosity (mPa.s)	Softening point (°C)	Application Temperature (°C)	Packing Specifications
6418A	Light yellow	6500@175°C	13±5	180~190	20kg/Box

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IMPORTANT: It is the user's responsibility to test and determine the suitability of a product for the user's intended use. Any product samples provided for testing are provided in accordance with standard limited warranties as stated on our technical data sheets.

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