



PRODUCTS CATALOGUE OF OEM ELECTRONICS MARKET

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ITW PERFORMANCE POLYMERS & FLUIDS CHEMICAL - GLOBAL

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ABOUT US

200

A Fortune 200 manufacturing company the United States

ITW (NYSE:ITW) is a Fortune 200 company in the United States and a leader in global diversification of industrial manufacturing business.

17,800

Holder of 17,800 valid patents

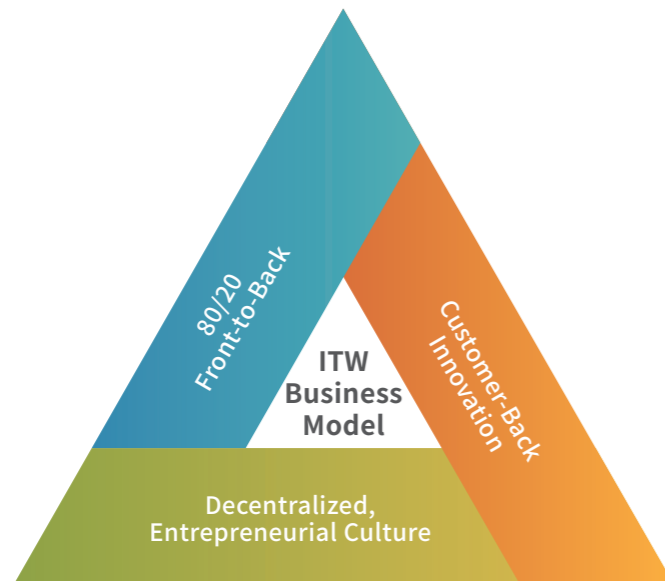
Holder of 17,800 valid patents With its unique business model ,Seven ITW business departments are in the leading position in the industry, assumed the mission to meet customers' needs by constant innovation, helping customers to create new applications to promote the group's steady development.

100

With more than 100 years of history

ITW was established in 1912. Headquartered in Chicago, the company has 50,000 employees in 57 countries and regions worldwide.

ITW practices a unique business model featuring decentralized core competencies and encompassing three key elements: 80/20 Front-to-Back, Customer-Back Innovation and Decentralized, Entrepreneurial Culture.



OUR MARKETS

ITW provides professional and (complete) total solutions of adhesives to OEM industries like laptop computers, mobile phones, security, power supplies, power batteries, elevators, LED, RFID, touch screens, etc. and offers an array of products covering methyl methacrylate, epoxy, modified silicane sealants, multi-structural™ adhesives, polyurethane and UV cured adhesives, etc.

ITW products are for bonding and potting of conventional materials and a variety of materials hard to be bonded. They have protection and heat conductivity actions for potted electronic components. Furthermore, ITW has been bending to product technology innovation, providing professional adhesive application solutions for achieving high-efficiency and high quality, as well as field technical support service by virtue of fast response.

Application Fields of Products

01 Mobile Phones		OEM		02 Laptop Computers
	03 Security		04 Power Batteries	
05 Speakers		06 Electronic Tags		07 Appliances
	08 Elevators		09 Touch Screens	

OEM Adhesive Selection Table

Chemical Type	Product Name	Metals						Plastics				
		Aluminum*	Brass	Copper	Electroplating Metal	Stainless Steel*	Cold-rolled Steel*	Galvanized Steel	Zinc	Acrylonitrile-butadiene-styrene Resin (ABS)	Acrylic Resin (PMMA)	Epoxy Resin
Methyl Methacrylate Structural Adhesives	Devcon® MA2060	●			●	●	○		●	●	●	
	Devcon® Composite Welder™FS	●			●	●	○		●	●	●	
	Devcon® MA216	●			●	●	○		●	●	●	
	Devcon® MA209	●			●	●	○		●	●	●	
	Devcon® MA2303	●			●	●	○		●	●	●	
	Devcon® MA2315	●			●	●	○		●	●	●	
	Devcon® MA2320	●			●	●	○		●	●	●	
	Devcon® MA2920	●			●	●	○		●	●	●	
	Devcon® MA2940	●			○	●	○		●	●	●	
	Devcon® MA2804	●			●	●	○		●	●	●	
	Devcon® MA2805	●			●	●	○		○	●	●	
	Devcon® MA2807	●			●	●	○		○	●	●	
	Devcon® MA2812	●			●	●	○		○	●	○	
	Uv Cured Adhesives	Tru-Bond™ PSA 750	●		●	●	●	●	●	●	●	●
Tru-Bond™ PSA 2500		●		●	●	●	●	●	●	●	●	
Tru-Bond™ PSA 4500		●		●	●	●	●	●	●	●	●	
Tru-Bond™ PSA 11000		●		●	●	●	●	●	●	●	●	
Tru-Bond™ PSA 21000		●		●	●	●	●	●	●	●	●	
Tru-Bond™ PSA 30000		●		●	●	●	●	●	●	●	●	
Tru-Bond™ UB 3000		●		●	●	●	●	●	●	●	●	
Tru-Bond™ UB 20000		●		●	●	●	●	●	●	●	●	
Tru-Bond™ PB 950				●	●	●	●	●	●	●	●	
Tru-Bond™ PB 3500				●	●	●	●	●	●	●	●	
Tru-Bond™ PB Gel				○	●	●	○	○	●	●	●	
Tru-Bond™ DC 1000		●		○	●	●	○	○	●	●	●	
Tru-Bond™ PM Gel				○	●	○	○	○	●	○	○	
Epoxy Structural Adhesives		Devcon® 5 Minute® Epoxy	●	●	●	○	●	○	○	○	○	○
	Devcon® 5 Minute® Epoxy I- FR	●	●	●	○	●	○	○	○	○	○	
	Devcon® 10 Minute® Epoxy	●	●	●	○	●	○	○	○	○	○	
	Devcon® 10 Minute® Epoxy I- FR	●	●	●	○	●	○	○	○	○	○	
	Devcon® 2-Ton® Epoxy	●	●	●	○	●	○	○	○	○	○	
	Devcon® Epoxy Plus™ 25	●	●	●	○	●	○	○	○	○	○	
	Devcon® HP250	●	●	●	○	●	○	○	○	○	○	
	Devcon® EP6060	●	○	○	○	●	○	○	○	○	○	
	Devcon® T-Bond E90	●	○	○	○	●	○	○	○	○	○	
	Devcon® T-Bond E5	●	○	○	○	●	○	○	○	○	○	
Cyanoacrylates Instant Dry Adhesives	Devcon® T-Bond E8	●	○	○	○	●	○	○	○	○	○	
	Devcon® CA2400	●	●	●	●	●	●	●	●	●	●	
	Multi-structural TM Adhesives	Devcon® HA1804	●	●	●	●	●	●	●	○	○	○
		Devcon® HA1808	●	●	●	●	●	●	●	○	○	○
		Devcon® HA1820	●	●	●	●	●	●	●	○	○	○
Polyurethane Structural Adhesives	Devcon® Dev-Thane 2130	●	●	●	●	●	●	○	○	○	○	
	Devcon® NOVATTANE 2100	●	●	●	●	●	●	○	○	○	○	
	Devcon® NOVATTANE 2100S	●	●	●	●	●	●	○	○	○	○	
Modified Silicane Sealants	SM1030	●	●	●	●	●	●	●	●	●	○	
	SM2030	●	●	●	●	●	●	●	●	●	○	

* For reference only, bonding properties test results shall prevail for materials in practice.

● Good ○ General Blank: Not Recommended

Plastics															Others				
Polyamide (PA)	Polyester (PET/PEI)	Polybutylene Terephthalate (PBT)	Polyethylene Terephthalate (PETG)	Polyethersulfone (PES)	Polyetherimide (PEI)	Polycarbonate (PC)	Polyurethane (PU)	Polypropylene (PP)	Polyphenylene Sulfide (PPS)	Polystyrene (PS)	Phenol Formaldehyde Resin	Polyurethane (PUR)	Soft Polyvinyl Chloride (PVC)	Hard Polyvinyl Chloride (PVC)	Synacrylonitrile (SAN)	Vitreous	Glass	Ferrous	Ceramics
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● Good ○ General Blank: Not Recommended

Product Description

High performance methyl methacrylate structural adhesives that can be used for bonding metals, plastics, composite materials and engineering plastics that are hard to be bonded. Featuring simple operation, fast curing, and high strength. Once cured, product is provided with excellent impact resistance, fatigue resistance, and resistance to high-frequency vibration, etc.

Devcon® MA2060

A highly-tenacious, halogen-free two-part methyl methacrylate adhesive.

- Reworkable, capable of improving percent of pass (or controlling scragpage) for reduction of production costs.
- Fast curing, capable of improving production efficiency.
- Can be used for bonding inorganic glass and ink glass.
- High tenacity and good impact resistance for extending service life of products.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2060	14703	50 ml	12

Devcon® Composite Welder™ FS

A halogen-free two-part methyl methacrylate adhesive.

- Fast curing, capable of improving production efficiency.
- Good adaptability to extensive base materials.
- Good tenacity for improved product reliability.
- Outstanding impact resistance and fatigue resistance performance for extending product service life.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® Composite Welder™ FS	14167- NC- 50	50 ml	12
	14167- NC- B	50 ml	12
	14167- NC- 250	250 ml	12
	14167- NC- 250B	250 ml	12
	14167- NC- 490	490 ml	10

Devcon® MA216

A highly-tenacious, halogen-free two-part methyl methacrylate adhesive.

- A reworkable structural adhesive, capable of improving percent of pass (or controlling scragpage) for effective reduction of production costs.
- Fast curing, significantly cutting down jigs costs.
- High tenacity and excellent performance in roller test and drop test; extend product service life.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA216	14709	50 ml	12

Devcon® MA209

A non-corrosive, halogen-free two-part methyl methacrylate adhesive.

- Up to the operational performance requirements for application of adhesive in a small area.
- Fast curing capacity for guaranteed production efficiency.
- Good versatility for base materials and extended selectivity for materials.
- Outstanding impact resistance and fatigue resistance performance capable of extending product service life.
- Excellent roller test and drop test performance, capable of improving product reliability.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA209	90502	50 ml	12
	90549	490 ml	10

Devcon® MA2303

A two-part methyl methacrylate adhesive designed for bonding thermoplastic plastics, metals and composite material structures.

- High shearing strength, improved product stability.
- High hardness.
- Faster curing time.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2303	14751	50 ml	12

Devcon® MA2315

A two-part methyl methacrylate adhesive designed for bonding thermoplastic plastics, metals and composite material structures.

- High shearing strength, improve product stability.
- High hardness.
- Suitable for bonding of large area.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2315	14752	50 ml	12

Devcon® MA2320

A two-part methyl methacrylate adhesive for bonding composite materials without surface treatment.

- Longer operation time, suitable for bonding parts of large area.
- Outstanding bonding properties for composite materials.
- High tenacity for improving product impact resistance and durability.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2320	14032	50 ml	12

Devcon® MA2804

A two-part methyl methacrylate adhesive for bonding metal materials without paint primer.

- Excellent bonding properties for metal materials.
- For most metal materials, no paint primer is required.
- Outstanding weathering resistance, capable of extending product service life.
- Excellent resistance to high-temperature exposure, short-term temperature tolerance as high as 200°C.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2804	14091	50 ml	12

Devcon® MA2805

A halogen-free two-part methyl methacrylate adhesive suitable for bonding major industrial metals.

- Excellent bonding properties for metal materials.
- With better adaptability to some metals that are hard to be bonded (magnesium, zinc alloy, etc.).
- Short preliminary curing time for guaranteed production efficiency.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2805	14741	50 ml	12

Devcon® MA2807

A halogen-free two-part methyl methacrylate adhesive suitable for bonding metals that are hard to be bonded.

- Excellent bonding properties for metal materials.
- Capable of bonding metals that are hard to be bonded (magnesium, zinc alloy, etc.).
- Longer operation time.
- Excellent resistance to high temperature.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2807	14094	50 ml	12

Devcon® MA2812

A two-part methyl methacrylate adhesive for bonding metal materials without paint primer.

- It is a structural adhesive with excellent bonding capacity for metal materials and outstanding weathering resistance for prolonged service life.
- Suitable for bonding of large area.
- Excellent resistance to high-temperature exposure, short-term temperature tolerance as high as 200°C.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2812	14092	50 ml	12

Devcon® MA2920

A two-part methyl methacrylate adhesive for bonding thermoplastic plastics, metals and composite materials.

- Low shrinkage for guaranteed good appearance of products.
- Good shearing strength.
- Less odorous, rendering an environment-friendly workspace.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2920	14093	50 ml	12

Devcon® MA2940

A two-part methyl methacrylate adhesive designed for bonding thermoplastic plastics.

- Outstanding structural bonding properties.
- Outstanding impact resistance, tenacity and fatigue resistance for improved product reliability.
- Long operation time for meeting the requirements of a variety of processes.

PC120 Paint Primer

A chemical paint primer.

- Capable of improving bonding results and durability of metals.
- Dried quickly at room temperature, allowing for normal application of adhesive within 1 minute.

PC150 Paint Primer

A chemical paint primer.

- With improved bonding properties for EPDM, PA, ABS, AES, PP, chloroprene rubber and PET/PBT composite materials.
- Dried fast at room temperature.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® MA2940	14031	50 ml	12	PC120	ID120	1 QUART	1	PC150	ID150	250ml	1
								PC150 Red	ID150R	250ml	1



Devcon® Product Series' Technical Parameters

Product Name	Color	Mixing Ratio	Viscosity (Cps)	Operation Time (Min)	Clamping Duration (Min)	Specific Gravity	Tensile Shearing Strength (Mpa)	Rate of Elongation (%)	Temperature Tolerance Range(°c)
Devcon® MA2060 H RH R	Baby blue	10:1	A: 15,000~35,000 B: 15,000~35,000	3~4	4~7	1.03	10.0~12.0	100~120	-40~121
Devcon® Composite Welder™FS H RH R	Blue/black	10:1	A: 100,000~130,000 B: 15,000~35,000	3~5	7~9	1.05	17.1	20~50	-40~121
Devcon® MA216 H RH R	Baby blue	10:1	A: 16,000~36,000 B: 15,000~35,000	3.5~5	4~8	1.03	10.0~11.5	100~120	-40~121
Devcon® MA209 H RH R	Baby blue	10:1	A: 105,000~131,000 B: 15,000~35,000	3.5~5.5	7~10	1.05	16.8	20~50	-40~121
Devcon® MA2303 RH R	White paste and black	1:1	A: 40,000~70,000 B: 40,000~70,000	3~6	12~15	0.97	20.7~27.6	5~15	-55~121
Devcon® MA2315 RH R	Creamy white /straw color	1:1	A: 40,000~70,000 B: 40,000~70,000	15~18	45~55	1.00	20.7~24.1	5~15	-55~121
Devcon® MA2320	Creamy white /straw color	10:1	A: 40,000~70,000 B: 40,000~70,000	8~12	25~30	0.93	10.3~13.8	100~140	-55~121
Devcon® MA2804 RH	Creamy white /gray	10:1	A: 80,000~120,000 B: 35,000~80,000	4~6	15~25	0.99	13.8~19.3	30~60	-40~82
Devcon® MA2805 H RH R	Baby blue	10:1	A: 15,000~50,000 B: 40,000~70,000	3~4	7~9	0.95	14.3~15.8	10~40	-40~121
Devcon® MA2807 H RH R	Creamy white /straw color	1:1	A: 25,000~50,000 B: 40,000~60,000	7~9	32~36	0.95	15.5~16.8	10~30	-40~121
Devcon® MA2812 RH	Skin color/gray	10:1	A: 80,000~130,000 B: 35,000~80,000	12~16	55~60	1.00	13.8~19.3	30~60	-40~82
Devcon® MA2920 RH	Blue	10:1	A: 100,000~125,000 B: 40,000~70,000	4~6	15~20	0.99	8.6~11.0	90~110	-40~82
Devcon® MA2940 H RH	Creamy white /straw color	10:1	A: 135,000~175,000 B: 35,000~70,000	12~15	25~30	0.98	8.3~13.8	125~175	-40~121

Product Description

High performance methyl methacrylate structural adhesives that can be used for bonding metals, plastics, composite materials and engineering plastics that are hard to be bonded. Featuring simple operation, fast curing, and high strength. Once cured, product is provided with excellent impact resistance, fatigue resistance, and resistance to high-frequency vibration, etc.

Tru-Bond™ Pressure-sensitive Adhesives (PSA series)

One-part environment-friendly UV adhesives which, upon exposure to light, are cured to form a high performance pressure-sensitive adhesive that has high initial viscosity and high bonding strength for bonding a variety of plastics, metals and PP that is hard to be bonded.

- High performance pressure-sensitive adhesives that can be used in place of die-cut tapes. Bonding with fast speed.
- Flexible adhesive application process.
- Outstanding surface adaptability.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Tru-Bond™ PSA 750	18470	30 ml	12
	18474	1 L	1
Tru-Bond™ PSA 2500	18471	30 ml	12
	18475	1 L	1
Tru-Bond™ PSA 4500	18450	1 L	1
	18429	18 KG	1
	18453	30 ml	12
	18745	30 ml	12
	18452	30 ml	12
	18480	30 ml	12
Tru-Bond™ PSA 11000	18453	30 ml	12
	18450	1 L	1
	18429	18 kg	1
	18452*	30 ml	12
Tru-Bond™ PSA 21000	18424	30 ml	12
	18423*	30 ml	12
	18426*	30 ml	12
Tru-Bond™ PSA 30000	18436	30 ml	12
	18400*	30 ml	12
	18435*	30 ml	12

Tru-Bond™ Universal Bonding Light Curing Adhesive (UB series)

A universal bonding UV light/visible light curing adhesive that can be used for bonding glass, gold, ceramics and plastics.

- For bonding rigid and flexible materials.
- Providing robust, high strength bonding.
- Outstanding elasticity and impact resistance.
- Good weathering resistance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Tru-Bond™ UB 3000	18705	30 ml	12
	18706	1 L	1
Tru-Bond™ UB 20000	18725	30 ml	12
	18726	1 L	1

Tru-Bond™ Plastic Bonding Adhesive (PB series)

One-part, solvent-free UV light/visible light curing adhesives widely used for bonding plastics.

- For bonding most plastics.
- Excellent elasticity.
- Outstanding impact resistance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Tru-Bond™ PB 950	18204	1 L	1
Tru-Bond™ PB 3500	18205	30 ml	12
	18206	1 L	1
Tru-Bond™ PB Gel	18210	30 ml	12

Tru-Bond™ Double Curing Coating (DC series)

Cured by UV/VIS light or heating for providing a double-cured potting protective coating.

- UV/VIS light/heat curing processes.
- Clear, scratch-proof protective layer.
- Low shrinkage.
- Anti-scratching coating.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Tru-Bond™ DC 1000	18301	1 L	1

* These products are available in China only

Tru-Bond™ Special Purpose Adhesives (SP series)

One-part, solvent-free UV light/visible light curing adhesives widely used for bonding plastics.

- Capable of bonding most plastics.
- Excellent elasticity.
- Outstanding impact resistance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
PM Gel	18970	250 ml	1

Tru-Bond™ Liquid Optical Clear Adhesives (LOCA series)

Highly-clear UV/VIS light fast curing adhesives.

- For eliminating gaps between the protection glass, touch control module and backlit module of display equipment.
- Readily leveled, ultra-low hardness.
- Helpful to reduce stress caused by Mura. Also helpful to improving overall impact resistance and durability.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Tru-Bond™ PSA LOCA 3000	18184	2 Kg	6
Tru-Bond™ PSA LOCA 3000	18187	18 Kg	1
Tru-Bond™ LOCA 2800	18195	2 Kg	6
Tru-Bond™ LOCA 2800	18198	18 Kg	1

* These products are available in China only



Technical Parameters

An adhesive layer thickness of 2mil (0.05mm) that bonds aluminum film to stainless steel sheet. 1500 mJ/cm² exposure

Product Category	Product Name	Color	Viscosity (Cps)	Specific Gravity	Temperature Tolerance Range(°c)	90°peel adhesive test at room temperature for 15 minutes N/25mm	90°peel adhesive test at room temperature for 72 minutes N/25mm	90°peel adhesive test at 158°F (70°C) for 72 hours N/25mm	180°peel adhesive test at room temperature for 72 hours N/25mm	90°peel adhesive test for 7 days N/25mm
Tru-Bond™ Pressure-sensitive Adhesives (PSA series)	Tru-Bond™ PSA 750	Clear	750	1.04	-40~93	22.7	17.8	37.8	23.1	24.5
	Tru-Bond™ PSA 2500	Clear	2,500	1.03	-40~93	24.9	32	35.6	46.3	43.1
	Tru-Bond™ PSA 4500	Clear	4,500	1.07	-40~121	22.7	25.8	33.8	36	36.9
	Tru-Bond™ PSA 11000	Clear	11,000	1.1	-40~121	19.1	16.5	38.3	48	47.2
	Tru-Bond™ PSA 21000	Clear	21,000	1.1	-40~121	18.7	35.6	55.2	45.8	53.4
	Tru-Bond™ PSA 30000	Clear	30,000	1.12	-40~121	11.8	10.2	29.4	21.4	18.2

Product Category	Product Name	Color	Viscosity (Cps)	Specific Gravity	Tensile Strength (Psi)	Rate Of Elongation (%)	Volumetric Shrinkage Rate(%)	Hardness (Shore)	Temperature Tolerance Range(°c)
Tru-Bond™ Universal Bonding Light Curing Adhesives (UB series)	Tru-Bond™ UB 3000	Clear	3,000	1.07	312	214	5.8	90A	-54~149
	Tru-Bond™ UB 20000	Clear	20,000	1.00	718	203	7.27	91A	-54~149
Tru-Bond™ Plastic Bonding Adhesives (PB series)	Tru-Bond™ PB 950	Clear	950	1.00	511	348	7.41	42D	-54~149
	Tru-Bond™ PB 3500	Clear	3,500	1.00	480	325	9.00	50D	-54~149
	Tru-Bond™ PB Gel	Amber	Gel	1.03	577	359	8.74	37D	-54~149
Tru-Bond™ Double Curing Coating (DC series)	Tru-Bond™ DC 1000	Clear	1,000	1.17	1028	7.4	5.65	78D	-54~149
Tru-Bond™ Special Purpose Adhesives (SP series)	Tru-Bond™ PM Gel	Amber	Gel	1.28	735	178	1.32	66A	-54~121
Tru-Bond™ Liquid Optical Clear Adhesives (LOCA series)	Tru-Bond™ LOCA 2800	Clear	3,000	1.07	312	214	5.8	90A	-54~149
	Tru-Bond™ PSA LOCA 3000	Clear	20,000	1.00	718	203	7.27	91A	-54~149



Product Description

High performance epoxy structural adhesives which are widely used for bonding, potting, and/or repairing products and for providing diversified operation time and packaging specifications to meet customers' diversified application requirements.

5 Minute® Epoxy

Fast curing, general purpose structural adhesives which, having an operation time of 3-6 minutes, can be used for bonding metals and/or timber.

- Solvent-free and completely reacted, therefore more environment-friendly.
- Good solvent resistance for better product corrosion resistance.
- Halogen-free certified (for E Minute® Epoxy I-FR).
- Up to the requirements for flame retardant certification in accordance with UL94V-0 (it is for 5 Minute® Epoxy I-FR).

10 Minute® Epoxy

A flexible epoxy adhesive with high impact resistance, high peeling strength and good chemical media resistance.

- Good impact resistance for improved product reliability.
- Self-leveling for convenient operation.
- High shearing strength, improved product stability.
- Up to the requirements for UL94, V-0(suitable for 10 Minute® Epoxy I-FR) flame retardant rating certification.
- Halogen-free certified (for 10 Minute® Epoxy I-FR).

2-Ton® Epoxy

High-strength, waterproof, self-leveling clear epoxy adhesives.

- Shrinkage-free curing for improving product yield.
- Curing at room temperature for production process simplification.
- Good impact resistance for extended service life of products.
- For high strength bonding of metals, ceramics, timbers, concrete, glass, etc.
- Halogen-free certified.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® 5 Minute® Epoxy	14270	50 ml	12
Devcon® 5 Minute® Epoxy I-FR	14272	50 ml	12
	14273	200 ml	12

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® 10 Minute® Epoxy	14251	50 ml	12
Devcon® 10 Minute® Epoxy	14255	50 ml	12
Devcon® 10 Minute® Epoxy I-FR	14258	50 ml	12

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® 2-Ton® Epoxy	14260	50 ml	12

Epoxy Plus™ 25

Modified and intensified epoxy structural adhesives that have good anti-peeling performance, shock resistance and fatigue resistance.

- Shrinkage-free for improving product yield.
- High insulation property for better safety.
- Outstanding durability and flexibility for improved product reliability.

Devcon® HP250

A two-part methyl methacrylate adhesive for bonding metal materials without paint primer.

- A structural adhesive with excellent bonding capacity for metal materials.
- Outstanding weathering resistance for prolonged service life.
- Suitable for bonding of large area.
- Excellent resistance to high-temperature exposure, short-term temperature tolerance as high as 200°C.

Devcon® EP6060

High performance, intensified structural epoxy adhesives that have outstanding impact resistance and weathering resistance and can be used for bonding metals, composite materials, stainless steel, nylon, etc.

- High strength for improving product stability.
- Outstanding chemical resistance and salt mist resistance that improve product reliability and service life.
- Up to halogen-free environment-friendly requirements.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® Epoxy Plus™ 25	14278	50 ml	12

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® HP250	14315	50 ml	12
	14415	400 ml	12

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® EP6060	14080	400 ml	12
	14081	50 ml	12

Devcon® T-Bond E5

A two-part epoxy resin adhesive with fast curing speed.

- High bonding strength
- High coefficient of heat conductivity and high safety level.
- Can be used for bonding most metals (aluminum, stainless steel), plastics(PET film , PI film , PC) and ceramics.
- Compliant with the flame retardant requirements in UL94, V-0.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® T-Bond E5	14069R (Base Agent)	30.30 Kg	1
	14069H (Curing Agent)	26.85 Kg	1

Devcon® T-Bond E8

A two-part epoxy resin adhesive with fast curing speed.

- High bonding strength for improved product reliability.
- High thermal conductivity for prolonged product service life.
- Can be used for bonding most metals (aluminum, stainless steel), plastics(PET film , PI film , PC) and ceramics.
- Compliant with the flame retardant requirements in UL94, V-0.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® T-Bond E8	14087	400 ml	12
	14088R (Base Agent)	29.7 Kg	1
	14088H (Curing Agent)	27.5 Kg	1

Devcon® T-Bond E90

A two-part epoxy resin adhesive with medium curing speed.

- High bonding strength.
- High coefficient of thermal conductivity for prolonged product service life.
- Can be used for bonding most metals (aluminum, stainless steel), plastics (PET film , PI film , PC) and ceramics.
- Compliant with the flame retardant requirements in UL94, V-0.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® T-Bond E90	14064	400 ml	12
	14068R (Base Agent)	27.60 Kg	1
	14068H (Curing Agent)	29.25 Kg	1



Technical Parameters

Product Name	Color	Mixing Ratio	Viscosity After Mixing(Cps)	Operation Time (Min)	Clamping Duration (Min)	Specific Gravity	Hardness	Elongation (%)	Tensile Shearing Strength (Mpa)	Impact Strength (Kj/m²)	Temperature Tolerance Angel(°c)
Devcon® 5 Minute® Epoxy RH R	Clear	1:1	10,000	3~6	10~15	1.10	85D	1	13.1	11.6	-40~93
Devcon® 5 Minute® Epoxy I- FR H RH R	White	1:1	55,000	4~6	10~15	1.25	84D	1	10.8	11.6	-40~93
Devcon® 10 Minute® Epoxy RH	Clear	1:1	80,000	10	20~25	1.13	75D	5	16.6	21.0	-55~93
Devcon® 10 Minute® Epoxy RH	Black	1:1	90,000	10	20~25	1.13	75D	5	16.6	21.0	-55~93
Devcon® 10 Minute® Epoxy I- FR H RH R	White	1:1	90,000	10	20~25	1.13	75D	5	16.6	21.0	-55~93
Devcon® 2-Ton® Epoxy RH	Clear	1:1	8,000	8~12	30~35	1.10	83D	1	15.5	11.6	-40~93
Devcon® Epoxy Plus™ 25 RH	Gray	1:1	70,000	25	210	1.20	74D	20	19.0	21.0	-40~93
Devcon® HP250 RH	Light yellow /gray	2:1	105,000	65	360	1.08	78D	25	22.1	25.2	-55~121
Devcon® EP6060 H RH R	Green	2:1	10,000~20,000	60	480	1.07	75D	25	22.7	29.1	-55~121

Product Name	Color	Mixing Ratio	Density After Mixing (G/cm³)	Viscosity After Mixing (Cps)	Operation Time (Min)	Clamping Duration (Min)	Coefficient Of Thermal Expansion (1/°c)	Hardness (Shore)	Coefficient Of Thermal Conductivity (W/m-k)	Temperature Tolerance Range(°c)	Compliant With Applicable Flame Retardant Requirements
Devcon® T- Bond E5 RH R	Black	1:1	1.95	45,000~65,000	3~5	10~15	107×10 ⁻⁶	65D	0.90	-40~93	UL94,V-0
Devcon® T- Bond E8 RH R	Black	1:1	1.93	70,000~90,000	3~5	18~20	110×10 ⁻⁶	70D	1.0	-40~85	UL94,V-0
Devcon® T- Bond E90 RH R	Black	1:1	1.89	40,000~60,000	15~20	40~60	104×10 ⁻⁶	70D	0.90	-40~105	UL94,V-0



Product Description

Devcon® CA2400


A high quality cyanoacrylate instant adhesive.

- A one-part product, easy to operate.
- Fast curing.
- Widely used for bonding metals, plastics, composite materials, etc.
- RoHS certified.

New generation ITW Devcon® instant dry adhesives allow for powerful bonding of multiple different materials within a short time. Their one-part formula facilitate operation and can effectively improve labor productivity.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® CA2400	24005	20 g	12
	200111	1000 g	1

Technical Parameters

Product Name	Color	Viscosity (Cps)	Specific Gravity	Tensile Shearing Strength (Mpa)	Joint Filling	Temperature Tolerance Range(°c)	Curing Speed
							Steel / plastic / rubber
Devcon® CA2400 	Clear	80-120	1.05	20-25	0.05-0.1mm	-50-80	40-70 / 25-50 / 25-50



Product Description

High performance two-part multi-structural™ adhesives that can be used for bonding metals, plastics, ceramics, glass, composite materials and engineering plastics that are hard to be bonded. Featuring simple operation, fast curing, and wide application coverage of base materials. Once the adhesive is cured, product is provided with high tenacity, impact resistance, and good resistance to aging.

Devcon® HA1804

A two-part hybrid adhesive that requires no paint primer. With good bonding properties for regular metals, engineering materials, thermoplastic materials, glass, etc.

- These adhesives have a wide application coverage of base materials and can bond most materials.
- With moderate elastic modulus and outstanding flexibility.
- Outstanding heat resistance, capable of maintaining a strength of 1MPa at 180°C.
- Low rate of shrinkage for improved appearance quality.

Devcon® HA1808

A two-part multi-structural™ adhesive that requires no paint primer. With good bonding properties for regular metals, engineering materials, thermoplastic materials, glass, etc.

- High thixotropic property.
- These adhesives have a wide application coverage of base materials and can bond most materials.
- Outstanding flexibility.
- Good bonding strength.
- Low rate of shrinkage for improved appearance quality.


Devcon® HA1820

A two-part multi-structural™ adhesive that requires no paint primer. With good bonding properties not only for regular metals, engineering materials, thermoplastic materials, glass, etc., but also for PET, PA, PP and other materials that are hard to be bonded.

- Long operation time.
- These adhesives have a wide application coverage of base materials and can bond most materials.
- Outstanding flexibility.
- Good bonding strength.
- Low rate of shrinkage for improved appearance quality.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
HA1804	14032	50 ml	12	HA1808	14400	400 ml	12	HA1820	14401	400 ml	12
				HA1808Adhesive	14900	5 Gal	1	HA1820Adhesive	14902	5 Gal	1
				HA1808 Activator	14901	5 Gal	1	HA1820 Activator	14903	5 Gal	1

Technical Parameters

Product Name	Color	Specific Gravity	Operation Time (min)	Clamping Duration (min)	Tensile Shearing Strength (MPa)	Rate of Elongation (%)	Peeling Strength N/cm	Temperature Tolerance Range (°C)
Devcon® HA1804 	Black	1.08	3~4	15~20	6-8	280	130	-40~130
Devcon® HA1808	Gray	1.00	8~10	110	8.5	350	120	-40~130
Devcon® HA1820	Gray	1.00	20~25	120	7.6	300	150	-40~130



Product Description

High performance two-part polyurethane structural adhesives that can be used for bonding composite materials, wood, thermoplastic plastics, cement, concrete, etc. Featuring simple operation, fast curing, and high thixotropic property. Once the adhesive is cured, product is provided with high strength and good resistance to aging.

Devcon® Dev-Thane™ 2130

A two-part polyurethane structural adhesive.

- Short operation time and fast curing at room temperature.
- Thixotropic for convenient operation.
- Suitable for bonding a variety of materials, especially alloy aluminum, PET films.
- Good weathering resistance. Capable of improving product reliability and service life.

Krafft® NOVATTANE 2100

A two-part polyurethane structural adhesive.

- Moderate operation time and fast curing at room temperature.
- Thixotropic for convenient operation.
- Suitable for bonding a variety of materials, especially alloy aluminum, PET films.
- Good weathering resistance for improving product reliability and service life.

Krafft® NOVATTANE 2100S

A two-part polyurethane structural adhesive.

- Moderate operation time and fast curing at room temperature.
- Thixotropic for convenient operation.
- Suitable for bonding a variety of materials, especially alloy aluminum, PET films.
- Good weathering resistance for improving product reliability and service life.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
Devcon® Dev-Thane™ 2130	30006	400 ml	12	NOVATTANE 2100	21007	400ml	12	NOVATTANE 2100/2100S Part B	36290	150L	1
Devcon® Dev-Thane™ 2130 Part A	30018	150 L	1	NOVATTANE 2100 Adhesive	21009	15L	1	NOVATTANE 2100S Part A	36240	150L	1
Devcon® Dev-Thane™ 2130 Part A	30008	5 Gal	1	NOVATTANE 2100 Activator	21010	15L	1				
Devcon® Dev-Thane™ 2130 Part B	30019	150 L	1	NOVATTANE 2100S	21007S	400ml	12				
Devcon® Dev-Thane™ 2130 Part B	30009	5 Gal	1	NOVATTANE 2100S Adhesive	21009S	15L	1				
				NOVATTANE 2100S Activator	21010S	15L	1				
				NOVATTANE 2100 Part A	36280	150L	1				
				NOVATTANE 2100/2100S Part B	36290	150L	1				

Technical Parameters

Product Name	Color	Mixing Ratio	Viscosity (Cps)	Operation Time (Min)	Clamping Duration (Hrs)	Specific Gravity	Tensile Shearing Strength (Mpa)	Elongation (%)	Temperature Tolerance Range(°c)
Devcon® Dev-Thane™ 2130 H RH R	Gray	1:1	A:50,000~90,000 B:50,000~90,000	30	3.5	1.51	11.03	5~10	-40~121
Krafft NOVATTANE 2100 H RH R	Beige/black	1:1	A:50,000~90,000 B:50,000~90,000	4	2	1.59	9	5~10	-40~121
Krafft NOVATTANE 2100S H RH R	Beige	1:1	A:50,000~90,000 B:50,000~90,000	8.5	2.5	1.59	12	5~10	-40~121



Product Description

One-part neutral modified silicane sealants that can be used for sealing and elastic bonding of a variety of materials. Cured in moisture, solvent-free. Once cured, product is provided with UV and chemical resistance and can endure spray coating.

SM1030

A one-part moderate modulus modified silicane sealant.

- Suitable for sealing and bonding of a variety of materials.
- Fast curing at room temperature.
- Outstanding weathering resistance.
- Solvent-free, more environment-friendly.

SM2030

a one-part high modulus modified silicane sealant.

- High strength.
- Suitable for sealing and bonding of a variety of materials.
- Fast curing at room temperature.
- Solvent-free, more environment-friendly.
- Outstanding weathering resistance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
SM1030	1030 WHT	600 ml	12	SM2030	2030SAUSLV.WHT	600 ml	12
	1030PAIL.WHT	25 Kg	1		2030DRUM.WHT	50 Gal	1
	1030 BLK	600 ml	12		2030AUS.BLK	600 ml	12

Technical Parameters

Product Name	Color	Mixing Ratio	Viscosity (Cps)	Operation Time (Min)	Clamping Duration (Hrs)	Specific Gravity	Tensile Shearing Strength (Mpa)	Elongation (%)	Temperature Tolerance Range(°c)
SM 1030 WHT	White	Single Component	Paste	25	24	1.45	2.2	600	-40~90
SM 1030 BLK	Black	Single Component	Paste	25	24	1.45	2.2	550	-40~90
SM 2030 WHT	White	Single Component	Paste	15	24	1.45	2.8	450	-40~90
SM 2030 BLK	Black	Single Component	Paste	15	24	1.45	2.8	450	-40~90



Product Description

Electronics potting materials are mainly used in modern electronics industry. For improving the integrity of electronic components and increasing their resistance to external impact and vibration. Capable of preventing direct exposure of components and circuits and improving electronic components' waterproof and moisture-proof capacity. For providing insulation between components and circuits and heat dissipation and protection functions in order to facilitate the downsizing and weight-reducing of products.

Organosilicon Potting Adhesives - Product Description

Flame retardant, weathering resistant silica gel potting materials. Suitable for potting components with heat emission to protect the electronic components. Compatible with most with insulation materials thanks to their excellent stability and electrical performance.

- 👍 Outstanding Tolerance With High- And Low-temperature:-55°c~260°c
- 👍 No Stress Shrinkage
- 👍 Good Flexibility
- 👍 Better Insulation Property Than Epoxy Resin
- 👍 Outstanding Weathering Resistance

Epoxy Potting Adhesives - Product Description

Used for protecting electronic components, such as bonding heat sink. Capable of solving heat conductivity problems encountered during SMT and/or film fixation.

- 👍 Good Mechanical Properties
- 👍 Requires No Paint Primer
- 👍 Working Temperature Up To 155°c
- 👍 Low Exothermic Peak Height and Less Shrinkage During Curing Process
- 👍 Anti-piracy

Silicon Paint Primer Potting Materials - Description

Silicane paint primers are dilute solutions of active silicon resin that can improve the adhesive force of a variety of microelectronics coatings and the majority of silica gels to base materials(substrates). Used in condensate and/or additive liquid silicon rubbers. Clear paint primer suitable for transparent silica gel system. Suitable for use on metals, timber, glass, ceramics and a variety of plastics.

Organosilicon Potting Adhesive Products

INSULCAST® RTVS 42 CURTIS II

An organosilicon potting adhesive.

- Containing silicane adhesion promoters for better bonding of metals and plastics.
- Contributing to good leak-proofness by virtue of their high elasticity and low water absorption.
- Outstanding resistance to cold- and/or hot impact.
- Outstanding insulation property and application safety.

INSULCAST® RTVS 3-95-2

A two-part organosilicon potting adhesive with high thermal conductivity.

- High thermal conductivity.
- Outstanding impact resistance and weathering resistance for extending equipment service life.
- Low viscosity, good fluidity, and good potting performance.
- This adhesive has high strength which provide protection to electronic components.
- UL94, V-0 certified.

INSULCAST® RTVS 8127 LV-C

An organosilicon potting adhesive with low viscosity and high thermal conductivity.

- An organosilicon potting adhesive with low viscosity and high thermal conductivity.
- Remarkable thermal stability and electrical performance.
- Outstanding insulation property comparable to most insulation materials
- UL94,V-0 certified

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING	PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCAST® RTVS 42 CURTIS II	IS130R (Base Agent)	5 Gal	1	INSULCAST® RTVS 3-95-2	IS300R (Base Agent)	1 Gal	1	INSULCAST® RTVS 8127 LV-C	IS 13701- C (Base Agent)	27 Kg	1
	IS130H (Curing Agent)	1 Gal	1		IS300H (Curing Agent)	1 Gal	1		IS 13702- C (Curing Agent)	27 Kg	1

Epoxy Potting Adhesive Products

INSULCAST® 116 FR

A two-part epoxy potting adhesive.

- High thermal conductivity for its good heat dissipation.
- Low viscosity, meeting a variety of potting requirements.
- Excellent resistance to high- and low-temperature impact; improved product reliability.
- Environment-friendly and safe, less odorous.
- UL94.V0 certified.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCAST® 116 FR	IE127R (Base Agent)	25 Kg	1
	IE127H (Curing Agent)	25 Kg	1

INSULCAST® 117 FR

A two-part epoxy potting adhesive.

- High thermal conductivity for its good heat dissipation.
- Short clamping duration for simplified production process.
- Outstanding bonding capacity up to the requirements for structural bonding of base materials.
- Excellent resistance to high- and low-temperature impact and resistance to aging, capable of improving product service life.
- Good waterproof performance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCAST® 117 FR	IE129R (Base Agent)	25 Kg	1
	IE129H (Curing Agent)	25 Kg	1

INSULCAST® 333 BLK PART A

A UL94,V-0 certified epoxy potting adhesive with moderate viscosity

- Good insulation property.
- Excellent thermal conductivity.
- Good waterproof performance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCAST® 333 BLK PART A	IE157R	5 Gal	1

Silicon Paint Primer Potting Adhesives - Product Description

INSULCURE 11B PART B

A curing agent for use with INSULCAST® 333 BLK base agent.

- Featuring higher heat resistance.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCURE 11B PART B	IE302H	1 Gal	1

INSULCURE 9 PART B

A curing agent for use with INSULCAST® 333 BLK base agent.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCURE 9 PART B	IE329H	1 Gal	1

INSULCAST® RTVS PRIMER 41

A paint primer agent capable of improving the bonding properties of organosilicon potting adhesives

- and improving organosilicon potting adhesives' bonding capacity for a variety of base materials.
- Can be used on metals, timber, glass, ceramics and a variety of plastics.

PRODUCT NAME	ORDERING CODE	SPECIFICATIONS	PACKAGING
INSULCAST® RTVS PRIMER 41	IS154R	1 Pint	1



Electronics Potting Materials (A/B)	Heat Conductivity	Inflammability	Fill or Not	Low Stress	Low Viscosity	Resistance to High Temperature	Resistance to High Pressure
INSULCAST® RTVS 42 CURTIS II	✓	✓	Yes	✓	✓	✓	✓
INSULCAST® RTVS 3-95-2	✓	✓	Yes	✓		✓	✓
INSULCAST® RTVS 8127 LV- C	✓	✓	Yes	✓	✓	✓	✓
INSULCAST® 116 FR FC	✓	✓	Yes				
INSULCAST® 333 BLK PART A INSULCURE 11B PART B	✓		Yes	✓	✓	✓	✓
INSULCAST® 333 BLK PART A INSULCURE 9 PART B	✓		Yes	✓	✓	✓	✓
INSULCAST® RTVS PRIMER 41			No		✓		





“✓” denotes the presence of the described characteristic.

Organosilicon Potting Adhesives - Technical Parameters

Product Name	INSULCAST® RTVS 42 CURTIS II	INSULCAST® RTVS 3-95-2	INSULCAST® RTVS 8127 LV- C
Color	Black	Red	Black
Mixing Ratio	100:4.8	1:1	1:1
Specific Gravity	1.43	2.32	1.78
Viscosity (Cps)	16,000	35,000	4,000
Gelation Time @ 25°C	<20 mins	2- 4 hrs	150 mins
Curing Time	24 hrs@25°C or 1 hrs@80°C	24 hrs@25°C or 1 hrs@80°C	24 hrs@25°C or 1 hrs@80°C
Hardness (Shore)	75A	85A	55A
Coefficient of Thermal Expansion (/degree Celsius)	45×10 ⁻⁵	15×10 ⁻⁵	18×10 ⁻⁵
Vitrification Temperature (Td), °C	- 60	/	- 52
Thermal Conductivity (W/m-k)	0.58	1.5	0.75
Temperature Tolerance Range(°C)	- 55 to 125	- 55 to 260	- 55 to 204
Certification /flame Retardant Rating	UL94,V- 0	UL94,V- 0	UL94,V- 0



Epoxy Potting Adhesives - Technical Parameters

Product Name	INSULCAST® 116 FR 	INSULCAST® 117FR 	INSULCAST® 333 BLK PART A 	INSULCURE 11B PART B	INSULCAST® 333 BLK PART A 	INSULCURE 9 PART B
Color	Black, White	White, Gray	Black		Black	
Mixing Ratio	1:1	1:1	100:8		100:6	
Density after Mixing (g/cm ³)	1.48	1.56	1.50		1.50	
Viscosity (Cps)	8,100	12,000	3,000		2,000	
Operation Time	1.5 hrs	3- 4 mins	2.5 hrs		1 hrs	
Gelation Time	3- 4 hrs	1- 2hrs	/		/	
Coefficient of Thermal Expansion (1/°C)	30×10 ⁻⁶	35×10 ⁻⁶	48×10 ⁻⁶		48×10 ⁻⁶	
Hardness (Shore)	75D	75 D	85 D		85 D	
Thermal Conductivity (W/m-k)	0.67	0.67	0.61		0.61	
Temperature Tolerance Range(°c)	- 40~105	- 40~105	- 40~105		- 40~155	
Certification /flame Retardant Rating	UL94,V- 0	UL94,V- 0	UL94,V- 0		UL94,V- 0	

Silicon Paint Primer Potting Materials - Technical Parameters

Product Category	Product Name	Color	Density (G/cm ³)	(Dry) Curing Time (Hrs)	Viscosity (Cps)	Solid Content (%)	Solvents
Silicon Paint Primer Potting Materials*	INSULCAST® RTVS PRIMER 41	Blue	0.83	1	1	10	Naphtha



* Kept in a shady and cool place. Stored at a well-ventilated place. Kept away from heat sources, sparks and naked flame.