



SMART MATERIALS.  
LOCAL EXPERTISE. GLOBAL REACH.

# ADHESIVE & ADVANCED MATERIALS CATALOG

*Empowering Innovation Across Electronics,  
Mobility, and Smart Manufacturing*



# About Covermat Adhesive & Advanced Materials Division

## Who We Are

**Covermat Co., Ltd.** is a trusted distributor of industrial and specialty materials, serving manufacturers across Southeast Asia. Since 2014, we have partnered with global technology leaders to deliver innovative adhesive, coating, and thermal management solutions for the electronics and advanced manufacturing sectors.

## Our Vision

"To be the leading technical distributor of advanced materials in ASEAN, empowering next-generation manufacturing."



## AAM Division at a Glance

**Industries Served:** Electronics, EV & mobility, semiconductors, aerospace, display & smart devices, medical



### Key Capabilities:

- Local inventory & flexible MOQ
- Application engineering & lab testing
- Technical training & line support
- Fast-track supply for prototyping & mass production



### Product Portfolio:

- Conformal coatings & encapsulants
- Thermal interface materials
- Structural & electronic adhesives
- UV-curing resins
- Potting & insulation materials
- Dispensing systems
- Solder paste & flux for SMT

## OUR STRATEGIC PARTNERS

**peters**

Coating Innovations  
for Electronics



**LORD**

TECHNO  
DIGM

**ELANTAS**

  
**H.B. Fuller**

 Global  
Solder  
Solutions

# CONFORMAL COATING

## AUTOMOTIVE



## INDUSTRIAL



## THE PETERS GROUP

### Global Leader in Electronic Coatings

**Peters Group** is the world's only complete coating systems provider for electronics, headquartered in Germany with over 3,500 customers in 90+ countries. Peters offers a full range of solutions for conformal coatings, potting, and solder resists used in high-reliability applications across automotive, aerospace, LED, medical, and industrial electronics manufacturing sectors.

**ELPEGUARD®**  
Conformal Coatings



**ELPEPCB®**  
Printed Circuit Coatings



**ELPECAST®**  
Casting Compounds



# peters

Coating Innovations  
for Electronics

# AR

# UR

Base	AR (Acrylate Resin)				UR (Polyurethane Resin)				
Product	SL 1307 FLZ	SL 1800 FLZ	SL 1306 N-FLZ	SL 1309 N-FLZ	SL 1301 ECO-FLZ	SL 1305 AQ-ECO-FLZ	SL 9400 FLZ	SL 9407 FLZ	
Color									
Viscosity	18~55 s	50~900 mpa.s	23~55 s	16~55 s	17~55 s	15~55 s	13 s	45 ~ 730 mpa.s	
Contains solvents	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Cure method	heat curing	heat curing	heat curing	heat curing	heat curing	heat curing	heat curing	heat curing	
Cure time @80°C (min)	5~10 min	10~20 min	20 min	20 min	15 min	5~10 min	25 min	30~40 min@60°C	
Temperature range	-65~125°C	-65~140°C	-40~130°C	-40~130°C	-40~140°C	-40~130°C	-65~125°C	-65~125°C	
Dielectric strength	≥ 60 kV/mm	≥ 90 kV/mm	≥ 65 kV/mm	≥ 90 kV/mm	≥ 80 kV/mm	≥ 75 kV/mm	≥ 95 kV/mm	≥ 65 kV/mm	
Insulation resistance	≥ 2×10 <sup>14</sup> Ohm	≥ 1×10 <sup>14</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 1×10 <sup>14</sup> Ohm	
Characteristics	<ul style="list-style-type: none"> <li>• fast curing</li> <li>• easy rework</li> <li>• good humidity resistance</li> </ul>	<ul style="list-style-type: none"> <li>• fast curing</li> <li>• easy rework</li> <li>• good humidity resistance</li> <li>• good wetting property, PCBAs low surface energy required for PCBAs</li> <li>• good TST test -65~150°C</li> </ul>	<ul style="list-style-type: none"> <li>• good chemical resistance</li> <li>• good flexibility</li> <li>• good salt &amp; humidity resistance</li> </ul>	<ul style="list-style-type: none"> <li>• good chemical resistance</li> <li>• good flexibility</li> <li>• good adhesion to all base materials</li> </ul>	<ul style="list-style-type: none"> <li>• good flexibility</li> <li>• good chemical resistance</li> <li>• odorless</li> <li>• VOC &lt;10%</li> <li>• widely used in the automotive industry</li> </ul>	<ul style="list-style-type: none"> <li>• water base CC, environment friendly</li> <li>• odorless</li> <li>• VOC &lt;10%</li> </ul>	<ul style="list-style-type: none"> <li>• 2-pack CC</li> <li>• good chemical resistance</li> <li>• good adhesion to base materials</li> <li>• thickness up to 2mm, suitable for micro sealing</li> </ul>	<ul style="list-style-type: none"> <li>• 2-pack CC</li> <li>• good chemical resistance</li> <li>• good flexibility, thermal shock -40~125°C 1000 cycles</li> <li>• very high solid content, low VOC (&lt;5%)</li> </ul>	
Environment & certification	<ul style="list-style-type: none"> <li>• UL</li> <li>• IPC-CC-830B</li> <li>• MIL-I-46058C</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	
Package	5kg, 15kg	5kg, 15kg	5kg, 15kg	5kg, 15kg	5kg, 15kg	5kg, 15kg	5kg, 15kg	5kg, 15kg	

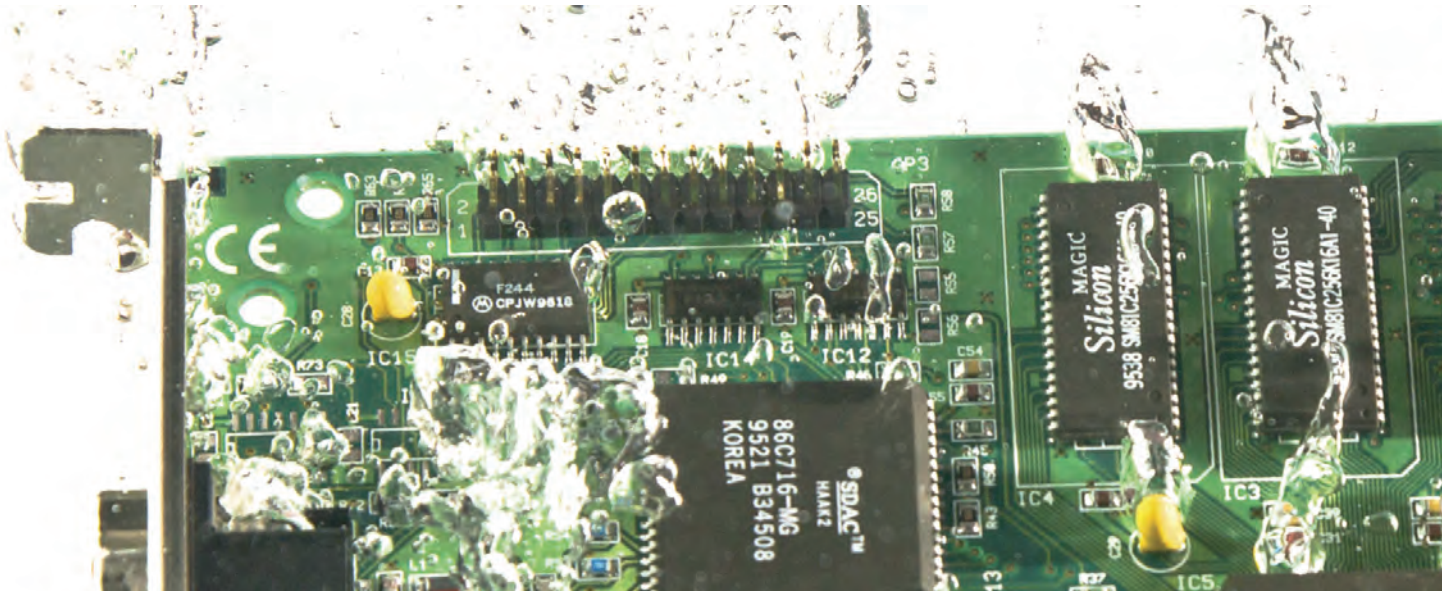
\* Curing time is related to UV light intensity



## AEROSPACE



## LIGHTING



# RUBBER SR Twin-Cure™ Dam Gel

Rubber	SR (Silicon Resin)		Twin-Cure® UV Cure			Dam Gel	
UTC 1507 FLZ	DSL 1705 FLZ	DSL 1706 FLZ	DSL 1707 FLZ	DSL 1600 E-FLZ	DSL 1602 FLZ/400	EH 13.401 FLZ -UV	SL 1307 FLZ/(H)T
70 ~ 850 mPa.s	1000 mPa.s	140~12500 mPa.s	3500 mPa.s	75~2300 mPa.s	100 mPa.s	3500~4800 mPa.s	1250~4000 mPa.s
Yes	No	No	No	No	No	No	Yes
heat curing	heat curing	heat curing	UV @ 3000 mJ/cm <sup>2</sup>	UV @ 3000 ~4000 mJ/cm <sup>2</sup>	UV-LED @ 1000~2000 mJ/cm <sup>2</sup>	UV @3000 mJ/cm <sup>2</sup>	heat curing
20 min	15 min	5~10 min	*	*	*	*	15 min
-40~150°C	-40~200°C	-40~180°C	-65~200°C	-40~130°C	-40~130°C	-40~130°C	-65~125°C
≥ 85 kV/mm	≥ 57 kV/mm	≥ 63 kV/mm	≥ 70 kV/mm	≥ 60 kV/mm	≥ 60 kV/mm	≥ 50 kV/mm	≥ 22 kV/mm
≥ 8×10 <sup>13</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 1×10 <sup>13</sup> Ohm	≥ 2×10 <sup>14</sup> Ohm	≥ 1×10 <sup>14</sup> Ohm	≥ 1×10 <sup>13</sup> Ohm	≥ 2.6×10 <sup>12</sup> Ohm
<ul style="list-style-type: none"> <li>• good chemical resistance</li> <li>• excellent flexibility, temperature resistance up to 150°C</li> <li>• ultra thin coating, good protection properties even below 10µm</li> </ul>	<ul style="list-style-type: none"> <li>• 100% solid content, free VOC</li> <li>• high elasticity</li> <li>• fast cure when heating</li> </ul>	<ul style="list-style-type: none"> <li>• 100% solid content, free VOC</li> <li>• high elasticity</li> <li>• excellent chemical resistance</li> <li>• thickness up to 300µm</li> </ul>	<ul style="list-style-type: none"> <li>• UV+humidity cure</li> <li>• 100% solid content, free VOC</li> <li>• can be used for micro sealing</li> </ul>	<ul style="list-style-type: none"> <li>• UV+humidity cure</li> <li>• 100% solid content, free VOC</li> <li>• allows film coating with low viscosity</li> </ul>	<ul style="list-style-type: none"> <li>• UV-LED cure</li> <li>• 100% solid content, free VOC</li> <li>• high transparent, good yellowing resistance</li> <li>• thermal shock -40 ~125°C 1000 cycles</li> </ul>	<ul style="list-style-type: none"> <li>• 100% solid content, free VOC</li> <li>• UV+humidity cure</li> <li>• can be dam, fill or thick coating on leads</li> </ul>	<ul style="list-style-type: none"> <li>• can be dam, fill or thick coating on leads</li> <li>• good protection for high solder joints</li> <li>• no capillary effect</li> </ul>
<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• IPC-CC-830B</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• IPC-CC-830B</li> <li>• MIL-I-46058C</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• RoHS</li> <li>• Reach</li> <li>• ISO9001</li> </ul>
5kg, 15kg	5kg, 15kg	5kg, 15kg	300g	5kg, 15kg	5kg, 15kg	55ml, 1kg	55ml, 1kg

Conformal Coatings Selection Chart

# ADHESIVE & THERMAL MANAGEMENT SOLUTIONS



**EV: BATTERY PACKS, INVERTERS, CHARGERS, SENSORS**



**POWER ELECTRONICS: PCBA, CONTROLLERS, RELAY SYSTEMS**



**CONSUMER ELECTRONICS: WEARABLES, LED MODULES, TELECOM**



**MICROELECTRONICS: DIE ATTACH, IC PACKAGING, WIRE BONDING**

## PARKER LORD (USA)

Innovative Adhesive & Thermal Management Solutions for EV and Industrial Applications

Parker LORD, a business unit of Parker Hannifin Corporation, is a global technology leader in adhesives, coatings, and thermal management materials. With decades of expertise, Parker LORD delivers high-reliability bonding and heat control solutions across electric vehicles, **electronics, aerospace, and industrial systems.**



## CoolTherm® Materials

### Power Electronics Application



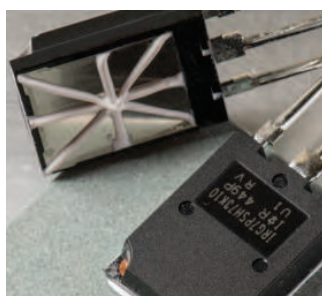
GAP FILLERS

PRODUCT	CHEMISTRY	THERMAL CONDUCTIVITY (W/m-K)	SHORE HARDNESS (OO)	DENSITY (g/cm³)
CoolTherm® SC-1200	Silicone	2.0	82	2.9
CoolTherm SC-3500	Silicone	3.5	80	3.3
CoolTherm SC-1600	Silicone	3.7	89	3.3
CoolTherm SC-3000LD	Silicone	3.0	75	2.4
CoolTherm UR-2002	Urethane	2.0	78	2.7
CoolTherm UR-2000	Urethane	2.0	D55	2.6

### GAP FILLERS

**Boost battery performance** with a thermally conductive gap filler made for EVs. It stays in place, cures as a gel, and relieves stress from heat and flex.

- Low Outgas Options
- Protect Against Shock



ADHESIVES

PRODUCT	CHEMISTRY	THERMAL CONDUCTIVITY (W/m-K)	LAP SHEAR STRENGTH (MPa)
CoolTherm TC-2002	Acrylic	1.0	15.8
LORD® AC-902 LC	Acrylic	—	15
CoolTherm SC-322	Silicone	1.7	2.1
CoolTherm MT-125	Epoxy	2.4	20.7
CoolTherm MT-220C	Epoxidized Silicone	3.2	6.2
CoolTherm MD-140 SP	Epoxy	12.0	48.3

### ADHESIVES

**Engineered for MMD equipment,** our adhesives deliver structural strength and thermal conductivity—ideal for managing heat and ensuring mechanical stability.

- Improve Design Flexibility
- Reduce Complexity



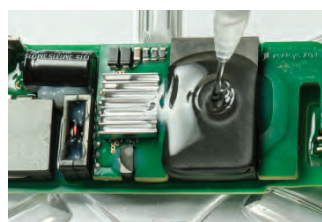
ENCAPSULANTS

PRODUCT	CHEMISTRY	THERMAL CONDUCTIVITY (W/m-K)	VISCOSITY (cP @ 25°C)	DENSITY (g/cm³)
CoolTherm SC-305	Silicone	0.7	4,000	1.5
CoolTherm SC-309	Silicone	1.0	3,600	1.7
CoolTherm SC-252	Silicone	2.5	18,000	2.9
CoolTherm SC-320	Silicone	3.2	22,000	3.1
CoolTherm SC-324	Silicone	4.0	30,000	3.2

### ENCAPSULANTS

**Thermally connect cells to the heat sink** by encapsulating the pack—minimize design gaps with high dielectric strength.

- Improve Performance
- Protect Electronics
- Reduce Component Stress



GELS & GREASES

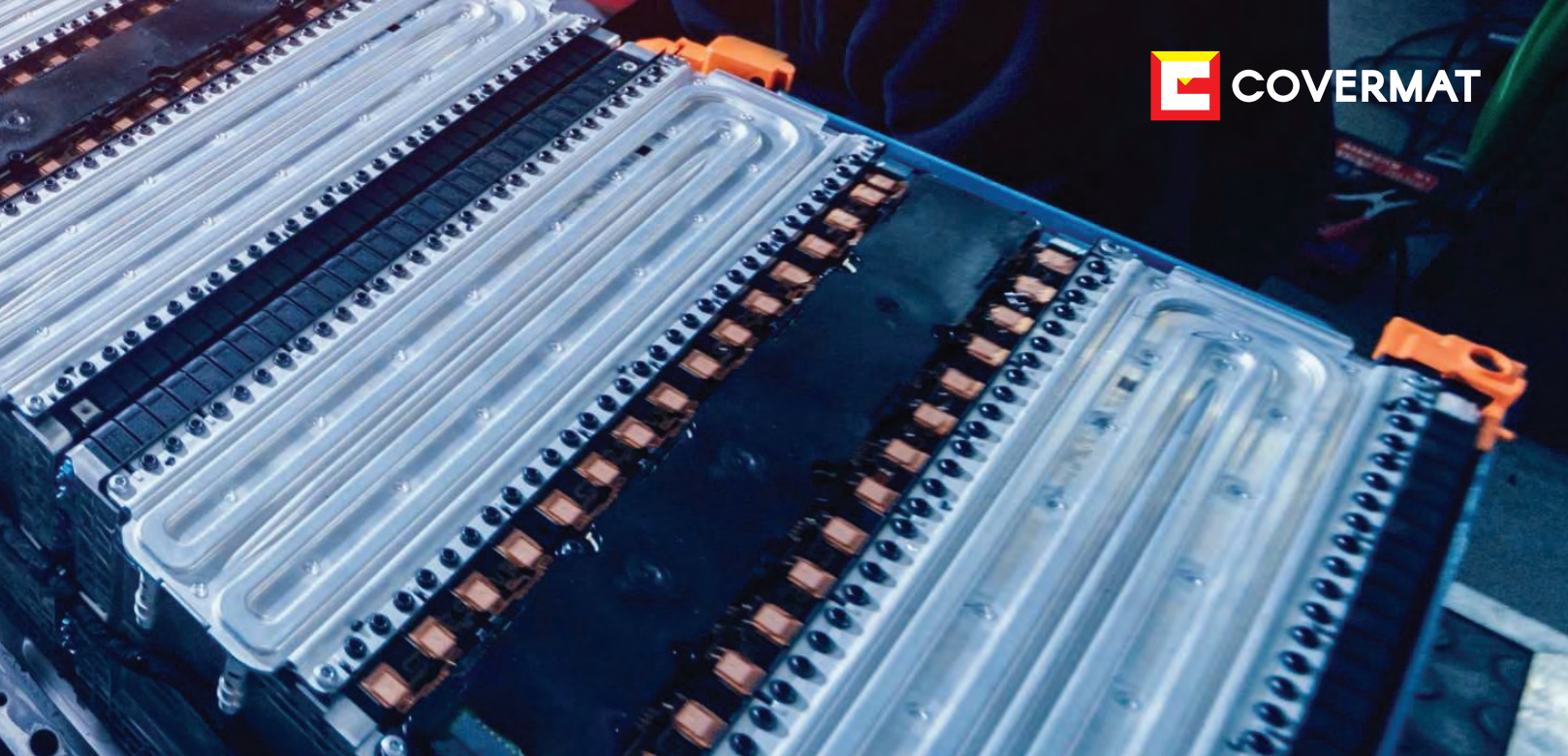
PRODUCT	CHEMISTRY	THERMAL CONDUCTIVITY (W/m-K)	VISCOSITY (cP @ 25°C)
CoolTherm SC-6754	Silicone (grease)	0.5	500,000
CoolTherm TC-404	Silicone (grease)	4.3	141,800
CoolTherm TC-501	Silicone (grease)	3.6	128,400
CoolTherm MG-133	Silicone (gel)	3.6	105,900

### GELS & GREASES

**Different needs, tailored solutions.** Our experts offer a wide range of gels and greases to meet your exact specifications.

- Resist Pump-Out
- Protect Against Shock





# Fusor<sup>®</sup> Repair Adhesives

## Adhesives, Sealers & Sound Control for Collision Repair

### Fusor Repair Adhesive Applications

#### 1 Composite Bonding:

Fusor 147/127EZ Plastic Bonding Adhesives  
Fusor T20/T21 Composite Adhesives

##### Applications:

- Spoilers
- Liftgates
- Hood Assemblies

#### 2 Metal/Rivet/Weld Bonding:

Fusor 108B/112B Metal Bonding Adhesives  
Fusor 208B Panel Bonding Adhesive  
Fusor 2098 Structural Adhesive

##### Applications:

- Roof
- Door Quarters
- Rear Body Panels

#### 3 Flexible Plastic Repair:

Fusor 132/142/152/114LG Plastic Bonding Adhesives

##### Applications:

- Bumpers
- Bumper Tabs
- Trim Panels

#### 4 Composite Repair:

Fusor 100EZ Plastic Repair Adhesive (Heat Set)  
Fusor 114LG Plastic Finishing Adhesive

##### Applications:

- Fenders
- Doors
- Liftgates
- Hoods

#### 5 Two-Component Seam Sealing:

Fusor 129/123/123SL/123EZ Seam Sealers

##### Applications:

- Doors
- Hood Flanges
- All Body Seams

#### 7 Flexible Plastic Repair:

Fusor 800DTM/801DTM/803DTM Sealers  
Fusor 800HD Series Sprayable Sealers

##### Applications:

- Truck
- Wheel Wells
- Underbody

#### 6 Sound Dampening Flexible:

Fusor 121/231 Flexible Foam

##### Applications:

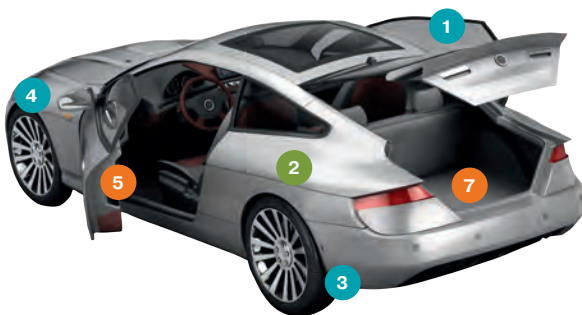
- Door Beams
- Roof Bows
- Pillars
- Small Voids

#### 8 Composite Repair:

Fusor 130 Rigid Foam

##### Applications:

- Rocker Panels
- Pillars



OEM APPROVALS	FUSOR 110B/108B	FUSOR 112B	FUSOR 2098	FUSOR 132/142/152	FUSOR 114LG
FCA		X	X		X
FORD	X				
GM	X		X	X	X
HONDA	X			X	
Nissan	X				
Tesla			X		

FUSOR 100EZ	FUSOR 147/127EZ	FUSOR 123EZ	FUSOR 129	FUSOR 800DTM/801DTM/803DTM	FUSOR 802HD/804HD/805HD/806HD	FUSOR 121/130
	X		X		X	X
	X			X		X
X	X	X	X	X	X	X
	X					
				X		
						X

### Fusor<sup>®</sup> Key Focus

- Body repair centers / workshops
- Authorized collision centers (OEM-approved)
- Aftermarket service providers

Crash Tested  
OEM Approved & Recommended





# DISPENSING AND UV CURING SOLUTIONS

## TECHNODIGM™ (Singapore)

Smart Dispensing and UV Curing Solutions for Electronics,  
Optics & Assembly Automation

**Company Overview** Founded in 2006 and backed by decades of adhesive and automation expertise, TechnoDigm™ is a leading manufacturer of precision **fluid dispensing, meter mix, and UV curing systems**. These systems are trusted by global EMS, optics, and electronics brands to deliver consistent performance in demanding applications.

TECHNO  
DIGM



### TR SERIES DESKTOP DISPENSING ROBOT STANDARD FEATURES

- No PC Required
- Easy Installation
- Easily Input Dispensing Program with New Designed Teach Pendant
- Use Edit Software to convert CAD Files to dispensing program

## FLUID DISPENSING SYSTEMS

A TOTAL  
SOLUTION  
PROVIDER

### TR SERIES DESKTOP DISPENSING ROBOT

Our TR Series robots provide an easy way to automate a wide range of dispensing processes while preserving desktop workspace. The increased efficiency and quality provided by these desktop robots help to improve production output turnover while reducing the number of rejected parts.



### GR2000 PRECISION DESKTOP GANTRY ROBOTS FEATURES

- Digital Camera System
- Needle Calibration
- Purge Station
- Low Incoming Pressure Sensor
- Dot Size Measurement
- Fiducial / Pattern Recognition



### IDS2000 AUTOMATED DISPENSING SYSTEMS FEATURES

- Digital Camera System
- Needle Calibration
- Purge Station
- Low Incoming Pressure Sensor
- Low Beacon with Alarm
- Dot Size Measurement
- Fiducial / Pattern Recognition



### STATIC MIXERS PRODUCT SUPPORT

- Static Mixer - Machine Mixers Pump
- Static Mixer F - System 200/400ML
- Static Mixer C - System 200/400ML
- Static Mixer B - System 25/50/75ML
- Static Mixer A - System 50/75ML



### DISPENSING VALVE PRODUCT SUPPORT

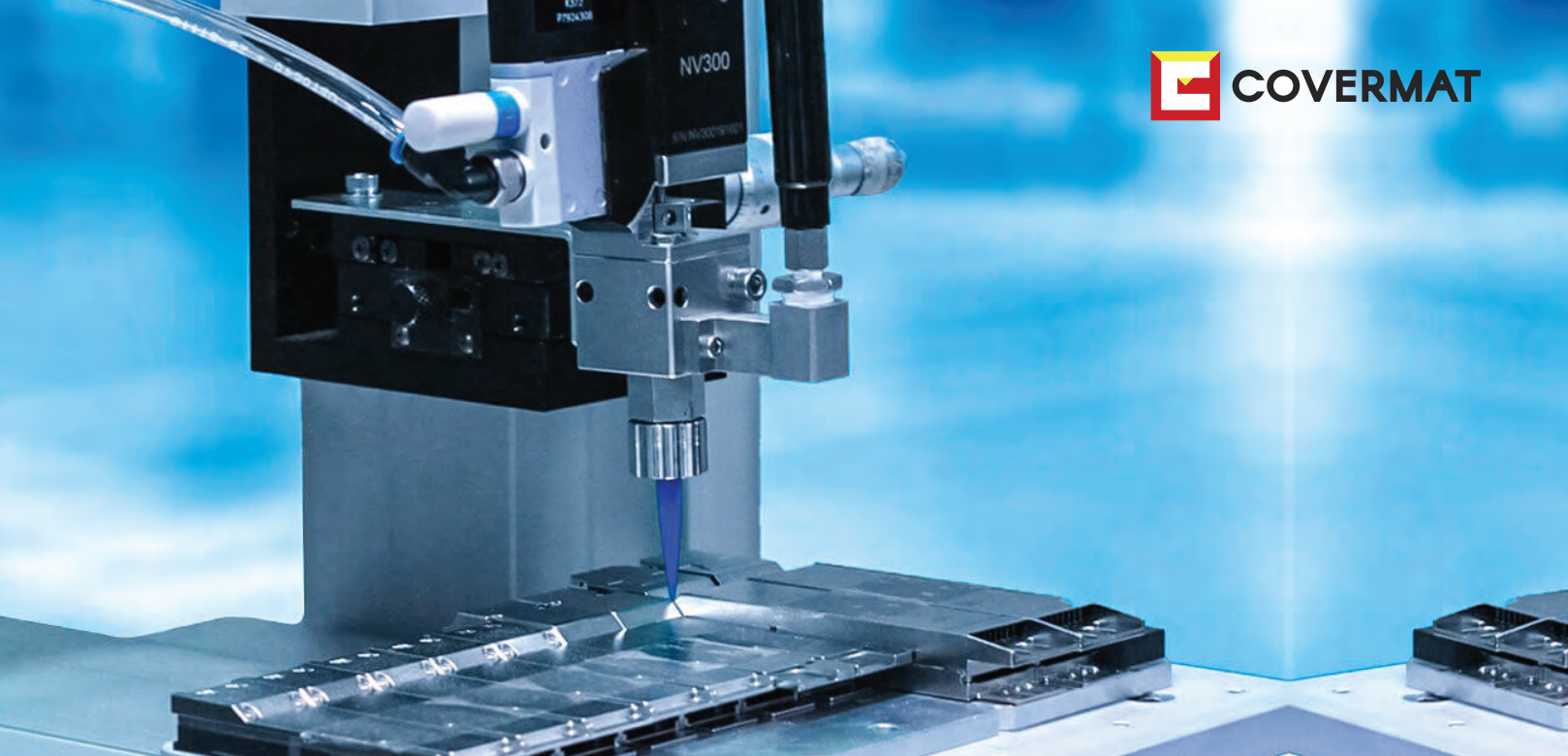
- Jetting Valve (PDOS)
- Needle Valve (NV)
- Pinch Tube Valve (PTV)
- Spool Valve (SPV)
- Snuff Back Valve (SBV)
- Spray Valve (SV)
- Progressive Cavity Pump (PCP)
- Auger Valve (AV)
- Positive Displacement Pump (PDP)



### DISPENSING ACCESSORIES

TechnoDigm™ offers a variety of industrial-grade, disposable syringe barrels with Luer lock tip adapters. We also accept standard dispensing needles & tips.





**MM3000GP**

## METER MIX DISPENSING SYSTEMS

The proper meter mix system is key to dispense two components adhesives and encapsulants. Shot-size accuracy and range, adjustable flow rate and consistent ratio are critical aspects of a two components meter mix dispensing system.

### FEATURES

- Able to be customized to handle material viscosity ranging between 1 cps – 1M cps
- Handle multiple mixing ratios ranging between 1:1 to 1:10 without hardware changes
- Ability to be used as a standalone system or be integrated with robots
- Interactive and user-friendly software
- Display real-time feedback and control monitoring



**ALL IN ONE UV CURING SYSTEMS (UVL2424)**

## UV CURING

As a leading provider in UV Curing Technology, we help you achieve the best curing performance while increasing your productivity at a reduced cost of ownership.

### PRODUCT SUPPORT

- All in One UV Curing systems (UVL2424)
- Integrated with UV intensity closed Loop Control
- UVL LED UV Flood Curing Systems
- UVLSPOT
- BoxCure

## FLUID MATERIAL HANDLING SYSTEMS

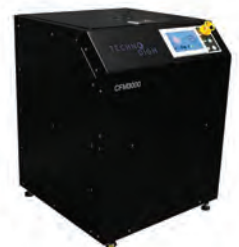
Fluid material handling systems by TechnoDigm™ consist of a wide range of loading systems that make it easy for you to transfer materials from a drum, tank, or cartridge to syringes, eliminating material wastage and increasing productivity. In addition, TechnoDigm™ provides centrifugal fluid deaerator to remove air bubbles from your material, which affect the quality of the product or result in material wastage.



**DRUM TO CARTRIDGE LOADINGSYSTEM**



**SYRINGE LOADING SYSTEMS**



**FLUID DEAERATOR**

# TRUSTED POTTING & ENCAPSULATION SOLUTION

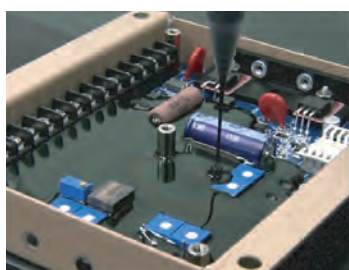
## ELANTAS

high-performance potting and encapsulation systems for critical environments.

Elantas, a member of the ALTANA Group, is a world-leading manufacturer of insulating, protective, and functional materials for the electronics and electrical industries. With over a century of innovation, Elantas develops high-performance potting and encapsulation technologies trusted by OEMs and Tier 1 manufacturers across automotive, energy, industrial, and telecommunication sectors.



## POTTING & ENCAPSULATION SOLUTION



### ADVANCED MATERIAL TECHNOLOGIES OFFERED

Elantas specializes in a full range of potting and encapsulation systems engineered for protection, thermal management, and durability in harsh environments:

#### ▪ Epoxy Systems

High mechanical strength and excellent electrical insulation. Ideal for applications requiring long pot life, moisture resistance, or high temperature endurance.

#### ▪ Polyurethane (PU) Systems

Flexible, low-stress, and thixotropic solutions designed for DC motors, sensors, and automotive electronics.

#### ▪ Silicone Systems

Soft, thermally conductive, and highly durable encapsulants—used in sensitive

These systems are engineered for RT curing, meet UL 94 flame resistance standards, and offer thermal conductivity up to 4.0 W/m.K, making them ideal for next-gen manufacturing.

### INDUSTRIES & APPLICATIONS WE SERVE

#### ▪ Automotive & EV

Drive control modules, sensors, battery packs, and electronic control units

#### ▪ Electronics & EMS

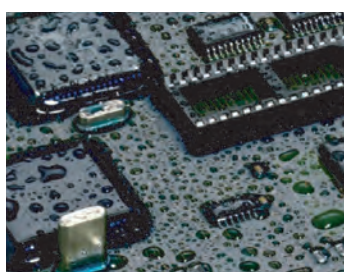
PCB encapsulation, antennas, LED drivers, power choke coils

#### ▪ Telecommunication

5G base stations, signal control devices, TIM for heat-sensitive components

#### ▪ Industrial & Power

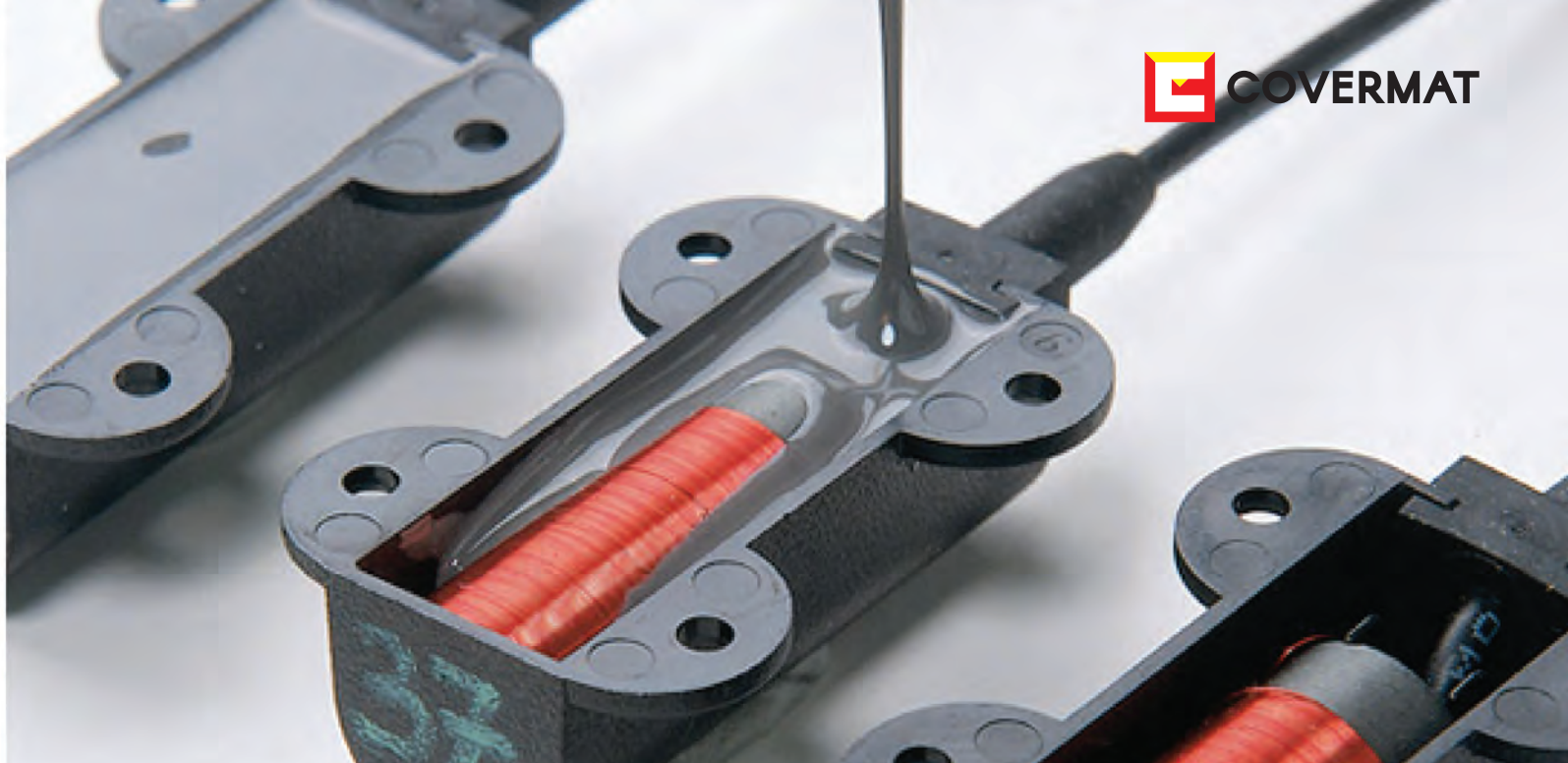
Transformers, submersible pumps, power supplies, and inverters



Chemistry	
Product	E471-51LL / C471-5LL
Cure Condition	Room Temperature
Hardness	80D
Thermal Conductivity	0.50-0.60 W/m.K
Thermal Class / RTI	155
UL 94	V0
Features	long pot time, low exothermal, low shrinkage
Typically used for	Encapsulation in LV transformer and electronic components

**KEY  
FEATURES**





## POTTING AND ENCAPSULATION MATERIAL

Epoxy		Polyurethane (PU)		Silicone	
MC62/W363	MC4236/W4236	Conap EN-5852	Micares X1087 / P978	Bectron SK75V2-35 / SH79V5-35	GF200 and GF400
Room Temperature	Room Temperature	Room Temperature	Room Temperature	Room Temperature	Room Temperature
85-90D	80-85D	85A	85A	35A	60-65 Shore OO
0.85-0.95 W/m.K	0.85-0.95 W/m.K	0.60 W/m.K	0.50-0.65 W/m.K	0.30 W/m.K	2.0-4.0 W/m.K
155	180	130	130	-	155 / 200
V0	V0	V0	V0	V1	V0
Offered in various color, Moisture protection, good in mechanical & marine resistance	Good in marine resistance, halogen free	More flexibility, Black color, High in thixotropic	Low viscosity type, Cost competitive, Black or Red color	Mixing ratio: 1:1, Light blue color, Soft and flexible	High thermal conductivity, easy dispensing
Automotive inductor, submersible pumps	Encapsulation and sealing of electrical and electronic components	Drive control modules for DC motor	Antenna and power choke coil	Walkie talkie battery pack, PCB encapsulation	Used as <b>TIM</b> in automotive & telecommunication device



**HIGH DIELECTRIC**  
STRENGTH

**180°C**

**RTI UP**  
TO 180°C



**FLAME RETARDANT**  
(UL 94 V-0 AVAILABLE)



**FLEXIBLE &**  
RIGID OPTIONS



**COMPATIBLE WITH**  
MANUAL AND AUTOMATED  
DISPENSING

# ADVANCED BONDING SOLUTIONS ENGINEERED FOR PERFORMANCE

## H.B. FULLER

### Trusted Bonding for Automotive & Home Appliance

Founded in 1887, H.B. Fuller is a global leader in advanced adhesive technologies for automotive, appliances, and electronics. Through innovation, application support, and sustainable chemistry, the company enables manufacturers to improve product reliability and production efficiency worldwide.



## HOME APPLIANCE ASSEMBLY SOLUTIONS

Tech Type	Example Product	Use Case	Highlights
PUR Hot Melt	Swift® lock 2441 / 2320	Metal/plastic panel bonding	High strength, moisture cure, clean appearance
Hot Melt PSA	Swift® melt 3648 / 3515	Foam & internal insulation bonding	High tack, clean finish, temp resistance
Cyanoacrylate	CB 2006 / Loctite - compatible	Small parts, switches, LED	Instant cure, high precision
MS Polymer (Sealant)	Körpop 240 / HB S5240	Handles, sealing & vibration zones	Flexible, shock - resistant, medium modulus



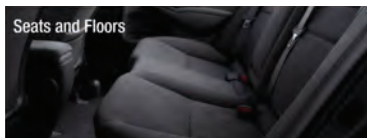




## AUTOMOTIVE INTERIOR SOLUTIONS HB FULLER ADHESIVES

### KEY TECHNOLOGIES FOR AUTOMOTIVE INTERIORS

Tech Type	Example Product	Use Case	Key Strengths
PUR Hot Melt	Swift® lock 2441 / 2689	Plastic-to-fabric, trim parts	Fast cure, high heat resistance, low VOC
Thermoplastic Hot Melt	Swift® melt 2101 / 3648	Foam bonding, headliners	Easy handling, moderate temp resistance
Water-Based Adhesive	TEC® 2500 Series	Textile and leather bonding	Eco-friendly, good initial tack
Reactive Film Adhesive	Full-Cure™ 9500 Series	Trim, automation lines	High precision, good automation compatibility
Water - Based Laminator	Thermonex® 063 - 05A + Hardener 007B	OEM car seat & interior trim lamination	Strong foam bonding, contact application possible, local stock



### AUTOMOTIVE APPLICATIONS

- Headliner bonding
- Door panel & pillar trim
- Seat and carpet lamination
- Foam-to-metal bonding
- Fabric to plastic/metal trim

### AUTOMOTIVE INTERIOR TRIM ASIA PACIFIC PRODUCT GUIDE

#### FLEXIBLE SUBSTRATES

Textile and textile-backed foam  
Natural and artificial leather  
TPO, primed and unprimed  
PVC and PVC-backed foam  
Spacer fabrics  
Foam and felt

#### CARRIERS

Wood and composite wood  
Polyurethane honeycomb  
Polypropylene and NFPP  
ABS and PC/ ABS



# SOLDERING SOLUTIONS FOR GENERATION ELECTRONICS

## AIM SOLDER

Global Soldering Solutions for Next-Generation Electronics

### About AIM Solder

- Founded in 1936 — a privately owned, global manufacturer of solder materials
- ISO 9001 & ISO 14001 certified manufacturing sites across North America, Asia, and Europe
- Specializes in high-purity alloys, no-clean chemistries, and RoHS-compliant solutions

# AIM Solder



### COVERMAT X AIM: WHY IT MATTERS



**Covermat is AIM's partner in Thailand, delivering local access to global-quality materials.**

- Complete product portfolio: solder paste, wire, bar, flux, underfill, epoxies
- Local stock, fast delivery, and Thai-language support
- Technical backup, trials, and process consultation
- Application synergy with dispensing machines and coating solutions



### Industries We Support

- EMS / SMT Assembly
- Automotive Electronics
- LED Modules & Lighting
- Consumer & Medical Devices
- Wave & Hand Soldering Applications

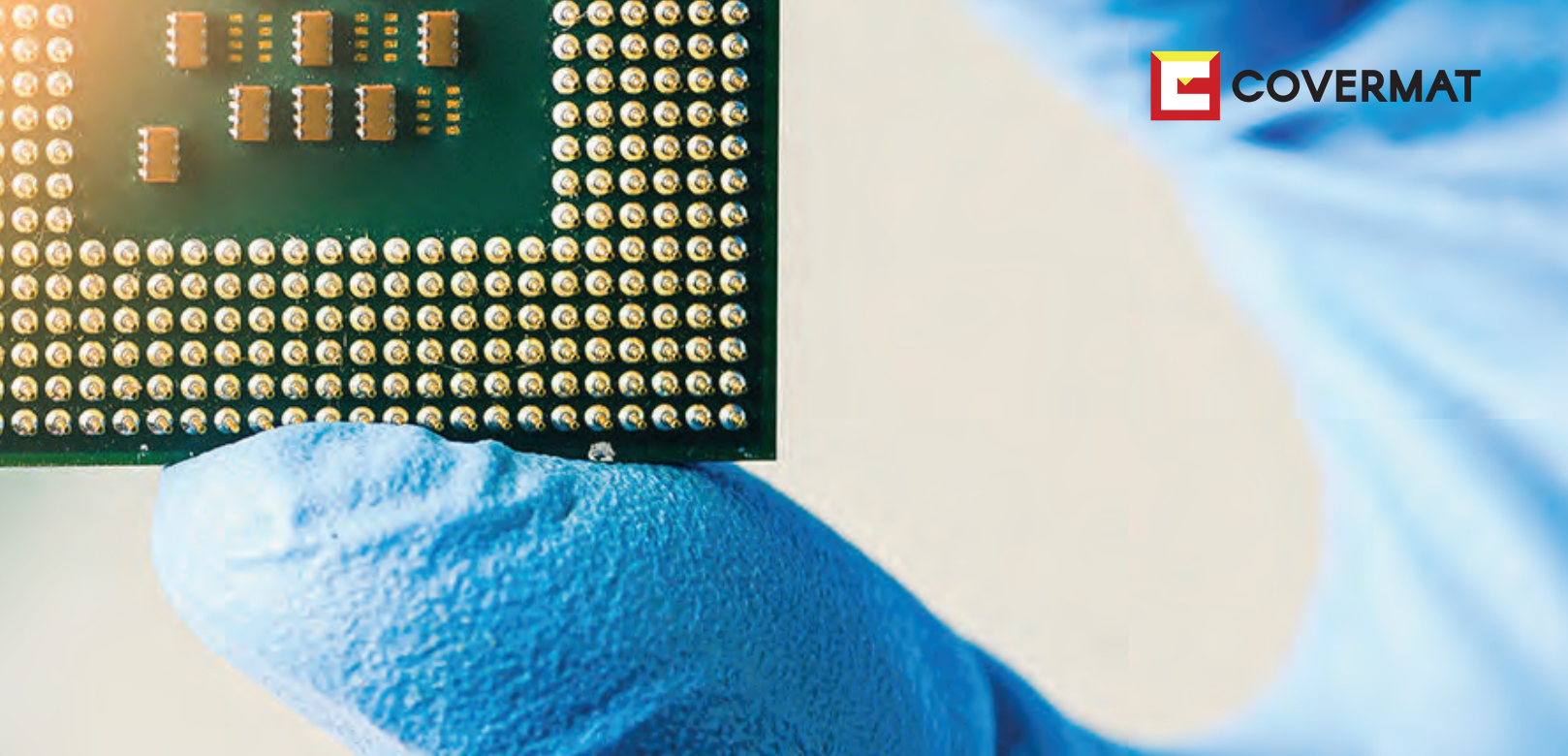
### UPDATED AIM PRODUCT HIGHLIGHTS FOR THAILAND

Category	Featured Products	Benefits	Typical Applications
Solder Paste	NC259F, NC273LT, REL61™	No-clean, halogen-free, low voiding, excellent wetting, long stencil life	SMT, LED modules, automotive ECUs
Wire Solder	SN63/Pb37, SN100C® (Cored)	Clean flux core, excellent solderability, reduced spatter	Hand soldering, cable assembly, PCB rework
Bar Solder	Electropure™ SN100C®, SAC305	Low dross rate, consistent alloy purity, smooth flow	Wave soldering, dip soldering, high throughput
Liquid Flux	WS716, NC265LR, 2165	VOC-free, halide-free, compatible with foam, spray, or brush methods	Wave & selective soldering, manual rework
Underfill	UF6200, UF6400 (Reworkable)	Fast flow, no voiding, reworkable, compatible with no-clean residues	BGA, flip-chip, mobile devices
Epoxies / Adhesives	EA2500 Series	One-part, fast cure, non-stringing, ideal for high-speed SMT lines	Component bonding, SMT hold-down
Specialty Alloys	Sn42Bi57Ag1, Indium-based	Low-temp and thermal attach solutions for optics, RF, and medical	LED, optics, telecom, laser modules

### Product Insights

- **REL61™**: Next-gen, low-temp solder paste with high reliability for automotive
- **NC259F**: Industry-proven for fine-pitch SMT with clear residue and high print quality
- **UF6200**: Preferred underfill for mid-range BGAs; fast-flowing and reworkable



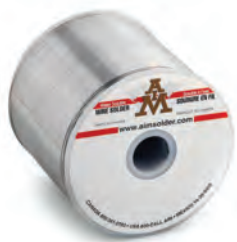


## NEW PRODUCTS HIGHLIGHT



### SOLDER PASTE, LIQUID FLUX, PASTE FLUX

AIM Solder Pastes come in a wide range of alloys, particle sizes, metal contents, and viscosities for all SMT applications. Made with high-purity, oxide-free Electropure™ powder, they're available in no-clean, water-soluble, and rosin-based formulas—packaged to industry standards.



### SOLID AND CORED WIRE SOLDER

AIM Solid and Cored Wire Solders come in various alloys, diameters, flux core levels, and spool sizes to fit any soldering need. Our proprietary process ensures a void-free flux core, available in no-clean, water-soluble, and rosin-based chemistries.



### BAR SOLDER

AIM's Electropure™ Bar Solder is made from virgin metals using a proprietary process that minimizes contaminants and oxides. The result: high purity, low dross, fewer defects, and improved throughput.



### EPOXIES AND UNDERFILLS

AIM Epoxy and Underfill products are single-component solutions available in standard packaging for both printing and dispensing applications.

### H10

No Clean Solder Paste



### NC273LT

No Clean Solder Paste



### NC259FPA

No Clean Solder Paste



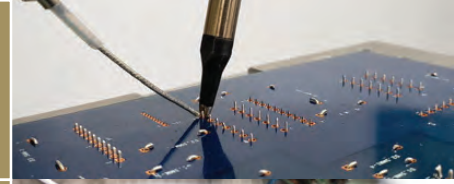
### REL22™

Lead-free Solder Alloy



### RX18

Lead-Free Solder Wire



### CX18

Lead-Free Solder Wire

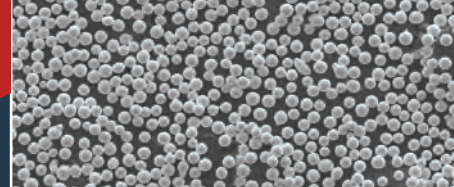


### TYPE 5

Solder Paste

OPTIMIZED FOR FINE PRINTING

2025  
The year  
for  
Type 5





**COVERMAT**  
THANK YOU

**Contact Us**

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