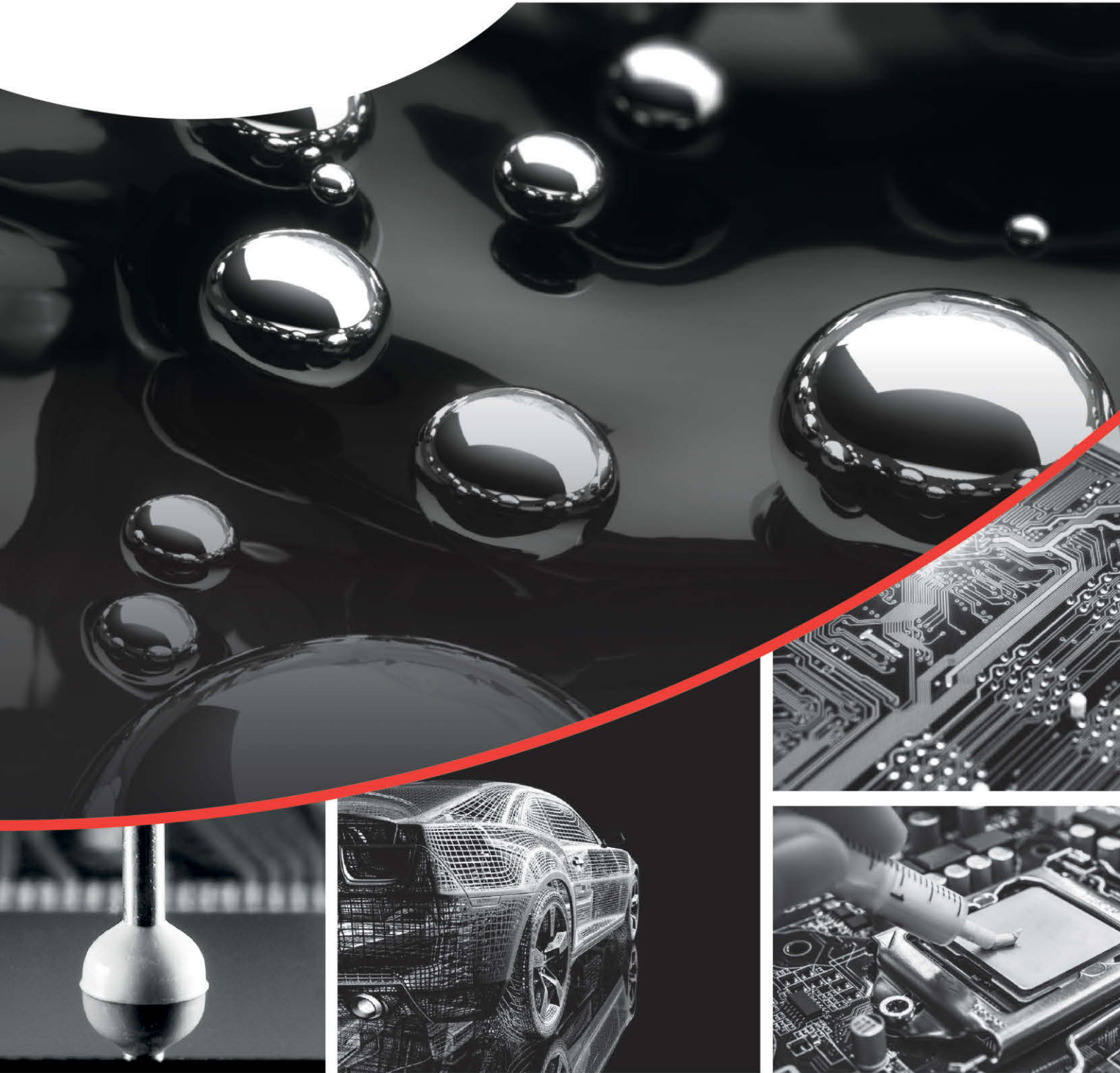


TECHSiL[®]

Adhesives | Silicones | Tapes | Seals | O-Rings



Technically the Best

About Techsil

Techsil is a global distributor of industrial adhesives, sealants, encapsulants, coatings, tapes, casting resins, mould making materials, seals, o-rings and dispensing equipment. Established in 1989, Techsil has built its reputation on technical excellence and customer service to become one of this industry's most trusted providers of bonding and sealing solutions.

We supply high performance materials to manufacturing industries such as electronics, aerospace, automotive, defence, engineering, lighting, packaging and medical. A dedicated external sales team of industry experienced professionals work together with our customers and suppliers to deliver technical and application knowledge. We ensure that our customers' business is enhanced by the introduction of products, processes and innovations that deliver real customer benefits and value.

A1 AWARD
Audited & ranked by Momentive

NEW PRODUCT DEVELOPMENT
First to bring new products to market

COST SAVINGS
Improve productivity & reduce overall cost

GLOBAL REACH
Supporting plants across the world

ON TIME IN FULL
Excellent customer service & bespoke packaging

DESIGN & TECHNICAL
Experienced engineers provide excellent product support & improve quality

DISPENSING
Optimise & hold your hand through to Start of Production

WE ARE WITH YOU EVERY STEP OF THE WAY

A1 Distributor Award

We were appointed as a key distributor by Momentive Performance Materials in 1990 and with our proven ability to provide manufacturing solutions we have grown to become Momentive's largest European RTV silicone distributor. Momentive implemented a rigorous audit of all their European distributors and we are delighted that Techsil is the only A1 rated distributor in European Business Unit Electronic Materials. The rating has an A-C rating based on the relationship value & business cooperation and a 1-3 rating based on a business result assessment. In addition Momentive audited Techsil's repackaging capability, which allows us to customise packaging to meet customers' needs, and renewed our authorised repackaging licence. Our close partnership with Momentive continues to go from strength to strength.

Our website www.techsil.co.uk has many examples of case studies, product news and applications and customers can now buy most of our products online should they wish to.



Chris Dilley, M.D. (right) receiving award from Momentive

Buy securely online at www.techsil.co.uk

Product Range and Partners

Techsil have a thorough knowledge of a wide selection of polymer and resin systems to advise you on including:



MOMENTIVE™

Page 4 & 5



panacol
adhesives & more

Page 6



honle
uv technology

Page 7



LOCTITE

Page 8



ThreeBond

Page 9



HYLOMAR®
www.hylomar.com

Page 9



power
adhesives

Page 10



STOKVIS TAPES
Effective solutions

Page 11



SCIGRIP® SMARTER
ADHESIVE
SOLUTIONS

Page 12



Permabond®
Engineering Adhesives

Page 12



BJB
ENTERPRISES

Page 13



TRELLEBORG

Page 14



Araldite®
professional adhesives

Page 15



MG Chemicals®

Page 16



3M

Page 17



NOVAGARD
Solutions

Page 18



LPS®

Page 18



Sprayon®

Page 18



**Chem
Trend**
Release Innovation™

Page 18



Nordson
EFD

Page 19

1-Part Silicones



1-part Silicones - RTV and Heat Cure Adhesives, Sealants and Coatings manufactured by Momentive Performance Materials

Product	Description	Key Properties	Application
XE13-C1862PT	1 part silicone, heat cure, low viscosity adhesive	Grey, 64A, 2.4 W/mK	Bonding
ECC-3011	1 part RTV, low viscosity, salt spray, mixed gas, IPC-CC-830B	Transparent, 35A,	Conformal Coating
ECC-3051S	1 part low viscosity, salt spray test approved, sulphur resistant	Transparent, 22A	Conformal Coating
ECC-4865	1 part heat cure low viscosity, UL approved	Clear, 35A, HC	Conformal Coating
TSE3250 T1	1 part heat cure, low viscosity, clear	Clear, 12A	Conformal Coating
Addisil6100	1 part heat cure silicone adhesive paste	Black, 42A	Sealing & Bonding
CRTV5120	1 part electrically conductive RT cure silicone adhesive paste	Black, 35A	Sealing & Bonding
FRV1106	1 part RTV fluorosilicone, fuel and oil resistant, high temperature paste	Red, 39A	Sealing & Bonding
IS5628E	1 part very high tear strength semi-flowable silicone adhesive,	Transparent, 33A, FDA	Sealing & Bonding
IS802/3/8	1 part silicone adhesive GP Silicone, not for electronics	White/Black/Clear, 23A	Sealing & Bonding
ISBM	1 part RTV neutral cure adhesive, Black Magic, fast cure	Black, 30A	Sealing & Bonding
RTV102	1 part silicone adhesive Mil Spec acetoxy cure, white paste	White, 30A	Sealing & Bonding
RTV103	1 part silicone adhesive Mil Spec acetoxy cure, black paste	Black, 30A	Sealing & Bonding
RTV106	1 part silicone adhesive Mil Spec acetoxy cure, paste, HT 315°C	Red, 30A, High Temp	Sealing & Bonding
RTV108	1 part silicone adhesive Mil Spec acetoxy cure, clear paste	Transparent, 30A	Sealing & Bonding
RTV109	1 part silicone adhesive Mil Spec acetoxy cure, aluminium paste	Aluminium, 30A	Sealing & Bonding
RTV112	1 part silicone adhesive acetoxy cure, semi-flowable	White, 20A	Sealing & Bonding
RTV116	1 part silicone adhesive acetoxy cure, semi-flowable red, HT 315°C	Red, 30A, Hi Temp	Sealing & Bonding
RTV118	1 part silicone adhesive acetoxy cure, semi-flowable clear	Transparent, 30A	Sealing & Bonding
RTV133	1 part silicone adhesive, neutral cure, UL94V0 flame retardant paste	Black, 45A, UL	Sealing & Bonding
RTV142	1 part silicone adhesive sealant. Low outgassing, thixotropic, high temp to 204°C	White, 34A	Sealing & Bonding
RTV1473	1 part silicone adhesive acetoxy cure, oil resistant, paste	Black, 30A FIPG	Sealing & Bonding
RTV157/9	1 part aerospace adhesive, very high strength pastes, std & HT 315°C,	28A, Aerospace grade	Sealing & Bonding
RTV160	1 part adhesive neutral cure, GP, electronics, flowable paste, aerospace	White, 25A, MIL	Sealing & Bonding
RTV162	1 part adhesive neutral cure, GP, electronics, paste, aerospace	White 35A, MIL	Sealing & Bonding
RTV167	1 part adhesive neutral cure, very high strength, Mil paste	Grey, 37A, MIL	Sealing & Bonding
RTV5243	1 part silicone non corrosive adhesive, black, fast curing, electronics	Black, 40A, UL	Sealing & Bonding
RTV5249	1 part silicone non corrosive adhesive, grey, fast curing, electronics	Grey, 40A, UL	Sealing & Bonding
RTV6424	1 part heat curable silicone adhesive, paste, non corrosive, long pot life	White, 30A	Sealing & Bonding
TN3005	1 part silicone adhesive, tin free, electronics, polycarbonate safe, paste	Clear/White/Blk, 22A, UL	Sealing & Bonding
TN3085	1 part silicone adhesive, tin free, electronics, UL94V0 FR, paste	Grey/White, 46A, UL	Sealing & Bonding
TN3305	1 part silicone, tin free, electronics, polycarbonate safe, semi flowable	Clear/White/Blk, 14A, UL	Sealing & Bonding
TN3705	1 part silicone adhesive, tin free, electronics, PC safe very flowable	Clear/White/Blk, 13A,	Sealing & Bonding
TN8000	1 part RTV high viscosity, neutral adhesive sealant, for electronics	White/Blk/Grey, 33A, UL	Sealing & Bonding
TSE3212	1 part, high viscosity, for high voltage solar & hybrid ICs	White, 52A, HC	Sealing & Bonding
TSE322	1 part silicone adhesive, heat cure semi-flowable adhesive sealant, blue	Light Blue, 45A, HC	Sealing & Bonding
TSE326	1 part heat cure silicone, M-Ex versions, high temp resistance	Red, 38A, HT	Sealing & Bonding
TSE3280	1 part silicone adhesive, heat cure thermally conductive adhesive	Grey, 62A, 0.88 W/mK	Sealing & Bonding
TSE392C/W	1 part silicone adhesive, fast neutral cure clear paste	Clear/White, 26A, UL	Sealing & Bonding
TSE3941W	1 part RTV silicone, flame retardant UL V1, Shore 60A	White, 60A	Sealing & Bonding
TSE397C/W	1 part silicone adhesive, fast neutral cure clear semi-flowable	Clear/White, 20A, UL	Sealing & Bonding
TSE399C/W	1 part silicone adhesive, fast neutral cure clear highly flowable	Clear/White, 20A,	Sealing & Bonding
TIA250RZ	1 part thermally conductive silicone adhesive, fast cure, strong adhesion	Grey, 2.2 W/mK	Thermal Management
TIA350R	1 part silicone, good adhesion, heat cure	Grey, 72A, 3.5 W/mK	Thermal Management
TIG-210BX	1 part silicone with high thermal conductivity, grease	Grease, 2.1 W/mK	Thermal Management
TIG830SP	Silicone grease, thin bond lines, highly workable, wide temps -40 to 150°C	Grey, 4.1 W/mK	Thermal Management
TIS420C	Non-slumping, repairable, gap filler, 300 Pa.s, soft centre pillow cure, stays in place	Grey, 4.2 W/mK	Thermal Management
TSE3281G	1 part silicone adhesive, heat cure, thermally conductive adhesive	Grey, 82A, 1.68 W/mK	Thermal Management



2-Part Silicones



Two component Silicones from Momentive Performance Materials

Product	Description	Key Properties	Application
RTV210/229	2 part silicone, fast cure adhesive 10:1 ratio, paste	Black	Bonding
SilGrip PSA529	2 part pressure sensitive adhesive (PSA), bonds to many substrates	Transparent, 2,500 cps	Bonding
SilGrip PSA6573	2 part PSA for low surface energy substrates, high shear & creep resist.	Transparent, 19,000 cps	Bonding
SRC18	Catalyst for Pressure Sensitive Adhesives	Catalyst	Bonding
OP1012	2 part heat cure, optical bonding silicone, touch-screens & displays	Transparent, gel	Bonding (optical)
SN1001	2 part snap cure, 1:1 ratio, pourable, touch-screens & displays	Transparent, gel	Bonding (optical)
SN3001	2 part high elongation silicone gel, protection of electronic assemblies	Transparent, tacky gel	Bonding (optical)
RTV821	2 part silicone, adhesive paste,	Transparent, 52A	Coating
SLE5300	2 part silicone for glass fibre coating, heat cure, 10:1 ratio,	Transparent, 33A, FDA	Coating & Textiles
SLE5600	2 part silicone for glass fibre coating, heat cure, 1:1 ratio,	Beige, 58A	Coating & Textiles
IVS4312	2 part heat cure silicone, optical lens coating	Transparent, 29A, HC	Conformal Coating
IVS4632	2 part heat cure silicone, LED & optical lens coating	Transparent, 64A, HC	Conformal Coating
RTV630	2 part medium viscosity silicone, deep section cure	Blue, 60A	Moulding
RTV664	2 part silicone, low shrinkage, high tear, dimensional stable	Beige, 62A	Moulding
TSE3455ST	2 part addition cure silicone, high tear strength,	Transparent, 42A	Moulding
TSE3478T	2 part silicone oil bleed, low viscosity, high tear strength	Transparent, 40A	Moulding
TSE3480T	2 part silicone non oil bleed, low viscosity, high tear strength	Transparent, 37A	Moulding
TSE3488NT	2 part silicone non oil bleed, high tear strength	Transparent, 40A	Moulding
OP1912	2 part heat cure, optical potting, touch sensors, displays & electronics	Transparent, gel	Potting & Encapsulation
RTV11	2 part silicone, GP, FDA, Mil spec, low viscosity	White, 41A, FDA	Potting & Encapsulation
RTV12	2 part silicone, self bonding, UL, electronic deep section potting	Clear/Blue, 18A, UL	Potting & Encapsulation
RTV31	2 part silicone, high temp 310°C potting	Red, 54A	Potting & Encapsulation
RTV511	2 part low viscosity, potting silicone with adhesion	White, 42A	Potting & Encapsulation
RTV560	2 part high/low temp, aerospace, potting silicone with adhesion	Red, 55A	Potting & Encapsulation
RTV566	2 part silicone, low out gassing, potting, good release	Red, 61A	Potting & Encapsulation
RTV577	2 part silicone, high viscosity, low temperature, aerospace, adhesion	White, 48A	Potting & Encapsulation
RTV60	2 part silicone, high temp 310°C, semi flowable	Red, 57A	Potting & Encapsulation
RTV615	2 part silicone, clear potting for LED & Electronics, FDA	Water Clear, FDA, 44A	Potting & Encapsulation
RTV627	2 part silicone, UL94V0 flame retardant, low viscosity	Grey, 62A, UL	Potting & Encapsulation
RTV655	2 part silicone, low viscosity, RTV potting, low shrinkage,	Clear, 45A	Potting & Encapsulation
RTV8111	2 part silicone, pourable, MIL-S-23586E, high temp 204°C	Light Blue, 45A	Potting & Encapsulation
RTV88	2 part silicone, high temp 310°C, paste	Red, 58A	Potting & Encapsulation
RTV9811	Catalyst for deep section cure used with RTV11 & 31	Catalyst	Potting & Encapsulation
TIA208R	2 part heat or RT cure, 1:1 ratio, UL94V-0, operating range -40 to 150°C	Black, 40A, 0.7W/mK	Potting & Encapsulation
TSE3033	2 part silicone, low viscosity, heat cure, adhesion, electronic potting	Transparent, 30A	Potting & Encapsulation
TSE3070	2 part heat cure silicone gel, high elongation gel with low temp cure	Transparent, gel	Potting & Encapsulation
TSE3320	2 part heat cure, silicone potting, adhesive, 0.63 W/mK	White, 70A	Potting & Encapsulation
TSE3331, K-Ex	2 part heat cure, UL94V0 FR, potting adhesive, K & Ex	Black, 50A, UL	Potting & Encapsulation
TSE3380	2 part heat cure silicone, thermally conductive potting adhesive	Grey, 70A, 1.68 W/mK	Potting & Encapsulation
TSE3660	2 part silicone, low viscosity, fast cure, UL94HB flame retardant	Blue-Green, 31-33A	Potting & Encapsulation
Gel 6209FC	2 Part RTV fast curing electronic potting gel, 1:1	Clear, Gel	Potting Gel
RTV 6139-D1	2 part silicone, low viscosity soft gel, 1:1 ratio, HEPA	Blue, Gel	Potting Gel
TIA216G	2 part silicone, low viscosity, good vibration/ stress relief	Grey, 18A, 1.6 W/mK	Thermal Management
TIA219R	2 part silicone, low viscosity, good adhesion, stress relief	Grey, 25A, UL, 1.9 W/mK	Thermal Management
TIA225GF	2 part silicone, low viscosity, stress relief, gap fill	Grey, 18A, UL 2.5 W/mK	Thermal Management



TECHSiL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

UV Curing Adhesives

Panacol is a leading international manufacturer of UV adhesives, structural adhesives and conductive adhesives for industrial & medical applications



Product	Description	Key Properties	Application
Vitralit 1691	High viscosity glob top black UV curing & thermal cure, 85D	Glob Top, epoxy, dual cure	Electronics
Vitralit 1702	Low viscosity adhesive for plastics bonding UVA & LED, wicking,	Acrylate, USP Clause VI	Medical
Vitralit 1703	High viscosity adhesive for plastics bonding UVA & LED	Acrylate, USP Clause VI	Medical
Vitralit 2009F	UV curing conformal coating, flexible & chemically resistant, shadow cure	Epoxy, dual cure	Electronics
Vitralit 4282 Mod 2	Low viscosity adhesive bonding & filling metals & ferrites, UV & anaerobic	Acrylate, dual cure	Automotive
Vitralit 4731VT	Flexible high viscosity adhesive for bonding plastics in ink jet printers	Acrylate	Electronics
Vitralit 5140	Acrylic adhesive for plastics, FIPG, flexible & low glass transition	Acrylate, USP Clause VI	Medical
Vitralit 6104 VT	Corner bonding parts on PCB, before reflow, very fast high viscosity	Acrylate, transparent	Electronics
Vitralit 6108T	Low viscosity needle bonding, flexible, UVA & LED	Acrylate ISO10993-5, USP VI	Medical
Vitralit 6133	Very low viscosity UVA & LED adhesive, glass, metal, laminate, high impact	Acrylate, trans	Bonding
Vitralit 7041	Low viscosity needle bonding, USP Clause IV UV & LED, High viscosity	Acrylate, USP Clause VI	Medical
Vitralit 7311	Very low viscosity, large area bonding, UV adhesive	Acrylate, trans	Medical
Vitralit 7311 FO	Fluorescent and Orange version of above, excellent on difficult plastics	Acrylate, USP Clause VI	Medical
Vitralit 7561	Water resistant glass adhesive, for solar modules, large area bonding	Acrylate, transparent	Bonding
Vitralit 7989	Medium viscosity bonding of PC, PVC PUR & other plastics,	Acrylate, USP Clause VI	Medical
Vitralit FIPG 60102	FIPG - UV curing gel, Shore 20 - 40A, for metals, ceramics, glass & many plastics	Urethanacrylate, transparent	Gasketing
Vitralit Mask 20101	UV masking agent, 90D, suitable for acid batch, mechanical treatments	Acrylate, clear	Masking
Vitralit Mask 20102	UV masking agent, 50D, suitable for grit blasting, plating	Urethane Acrylate, red	Masking
Vitralit Mask 20107	UV masking agent, 80A, for moderate to hard blasting, polishing	Acrylate, green	Masking
Vitralit UD 5134	High strength, low thermal expansion UV adhesive for lens fixation	Epoxy Acrylate Hybrid, grey	Automotive
Vitralit UV 2113	Very fast deep cure potting adhesive, highly filled & very strong	Epoxy Acrylate Hybrid, grey	Electronics
Vitralit UV 2121	Fibre Optic adhesive with excellent climatic and thermal shock	Acrylate, trans, low visc	Electronics
Vitralit UV 2725	Low viscosity adhesive suitable for glass bonding	Acrylate, clear	Bonding
Vitralit UV 4051	Bio-compatible adhesive for plastic parts & needles, fluorescent	Acrylate ISO10993-5	Medical

Electrically Conductive Adhesives



Product	Description	Key Properties	Application
Elecolit 3012	Electrically conductive, silver filled, viscous paste, 82D	1K HC epoxy	Electronics
Elecolit 3025	Electrically conductive, low temp cure, 1:1, RT cure possible	2K HC epoxy	Electronics
Elecolit 3036	Electrically conductive, fast heat cure, 1:1 RT cure possible	2K HC epoxy	Electronics
Elecolit 3065	UV - Anisotropically conductive adhesive for PET foils, Mylar, Kapton	1K acrylate	Electronics
Elecolit 323	Electrically conductive, fast heat cure, 1:1, very long open time, 72D	2K HC epoxy	Electronics
Elecolit 325	Electrically conductive for heat sensitive components	2K HC epoxy	Electronics
Elecolit 327	Silver filled adhesive, for precious metals, ceramics, low viscosity	1K Polyimide HC	Electronics
Elecolit 3653	Flexible, silver filled adhesive, fast thermal cure, low viscosity	1K HC epoxy	Electronics
Elecolit 3661	Flexible, silver filled adhesive, fast thermal cure, good vibration,	1K HC epoxy	Electronics
Elecolit 414	Silver filled electrically conductive coating, 55D	1K Polyester	Electronics
Elecolit 6601	Aluminium filled adhesive for metal bonding and casting, med viscosity 90D	1K HC epoxy, white,	Electronics
Elecolit 6603	Flexible adhesive, metals, potting compound, high viscosity but flowable	1K HC epoxy, grey	Electronics
Elecolit 6607	Thermally conductive material curing at 80°C	1K HC epoxy, grey	Electronics
Elecolit 6616	Adhesive with superior vibration & thermal cycling performance	2K HC epoxy, black	Electronics



Structural Bonding Adhesives



Product	Description	Key Properties	Application
Cyanolit 201	General purpose cyanoacrylate, low viscosity	Instant cure	Electronics
Cyanolit 203TX	Thixotropic cyanoacrylate, plastic/ metal bonding	USP Clause VI	Medical
Cyanolit 232	Medium viscosity cyanoacrylate, plastic/ metal bonding	USP Clause VI	Medical
Cyanolit 241F	Low viscosity cyanoacrylate, plastic/ metal bonding	USP Clause VI	Medical
Structalite 5604	SMD adhesive, pink, reflow process	1K Epoxy, heat cure	Electronics
Structalite 5610	SMD adhesive, red, 60D, medium viscosity,	1K Epoxy, heat cure	Electronics
Structalite 5810	Flexible adhesive, metal, glass, plastics, transparent,	2K Epoxy, heat cure	Electronics
Structalite 5891	Glob top dam adhesive, black, high viscosity	1K Epoxy, heat cure	Electronics
Structalite 5893	Glob top filler & adhesive, black, low viscosity	1K Epoxy, heat cure	Electronics
Structalite 5894 M	Glob top chip adhesive, medium viscosity	1K Epoxy	Electronics
Structalite 701	Optical fibres & surgical instrument adhesive	2K Epoxy, heat cure	Medical
Structalite 8838	Black encapsulant, jettable, 20D, great humidity perform	1K Epoxy, heat cure	Electronics

UV Curing Equipment

Our range of UV curing equipment is manufactured by Hönle one of the leading suppliers in the UV market worldwide.



Product	Description	Key Features	Application
Bluepoint 4	Point Source lamp controller, with lightguide options and shutter	Adjustable output, PLC	Equipment
Bluepoint 4 ecocure	Economy version of Bluepoint 4	2,000 - 14,000 mW/cm ²	Equipment
Bluepoint LED eco	Spot cure lamp, connect up to 4 LED heads, PLC, 20,000 hrs life	365, 385 & 405 n/m	Equipment
Dual Lightguide	Dual head available in 1m, 1.5m, 2m, 2.5m & 3.5m	Liquid or quartz fibre	Equipment
LED Cube 100 IC	Compact LED UV Chamber, irradi area 180x180x180mm	365, 385,395, 405, & 465 n/m	Equipment
LED Head	365nm, 385nm, 405nm, 1.5m without lens	20,000 mW/cm ²	Equipment
LED Head Sensor	LED head sensor for BP LED point source systems	Use with UV Meter	Equipment
LED Lenses	Lens options 3, 7, 10, 20	Adjust focus distance & diameter	Equipment
LED LINE 500	mobile and compact device for irradiating long areas	365nm & 405nm	Equipment
LED Power Pen 2.0	LED point source, easy on/off & low heat	365n/m & 405 n/m, only 140g	Equipment
LED Powerline AC IC	410 Stackable system, low temp load, air cooled	4000 mW/cm ² , 365, 385,395, 405	Equipment
LED Powerline AC IC	820 HP Stackable system, low temp load, air cooled	8000 mW/cm ² , 365, 385,395, 405	Equipment
LED Spot 100 IC	High intensity over a large area, 100x100mm, use with PwrDrve Contrl	20,000 hrs	Equipment
LED Spot 40 IC	compact flood lamp with high intensities - up to 7,000 mW/cm ²	365, 385, 395, 405 and 460nm	Equipment
Quad Lightguide	Quad head available in 1m, 1.5m, 2m, 2.5m & 3.5m	Liquid or quartz fibre	Equipment
Single Lightguide	Single head available in 1m, 1.5m, 2m, 2.5m & 3.5m	Liquid or quartz fibre	Equipment
Surface Sensors	UVA, UVB, UVC, and LED for chambers and cubes	Use with UV Meter	Equipment
Triple Lightguide	Triple head available in 1m, 1.5m, 2m, 2.5m & 3.5m	Liquid or quartz fibre	Equipment
UV Meter 3.0	Hand held UV/LED Meter to measure light output	Premium Version	Equipment
UVA BP Sensor	Lightguide sensor for BP4 UVA point source systems	Use with UV Meter	Equipment
UVACube 100	Compact UVA chamber, irradi area 180x180x180mm	Manual shutter	Equipment
UVACube 2000	Large UV Chamber, irradi area 450 x 400 x 300mm, optimised reflectors	Door shut off	Equipment
UVAHand 250	Mobile hand held flood system for low volume use	250 mW/cm ² , area 150x85mm	Equipment
UVAHand LED	Mobile LED lamp, high intensity, easy on/off, no warm up	365n/m & 405 n/m, 20,000 hrs	Equipment



TECHSiL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

Structural Adhesives



Our LOCTITE® range includes industrial Cyanoacrylates, Threadlockers and Hybrid Adhesives

Product	Description	Key Properties	Application
55	Pipe sealing cord	Potable water, Corgi approved,	Sealing - pipes
221	221 Purple 250ml	Low strength, low viscosity, small threads	Threadlocking
222	222 Purple MOD AFS1737A, 10ml, 50ml	Low strength screwlock	Threadlocking
242	242 Blue MOD AFS1737A 50ml	Med strength Nutlock, med viscosity	Threadlocking
243	243 Blue 10ml, 50ml	Med strength Nutlock & oil tolerant	Threadlocking
270	270 Green MOD DTD5633/G3 50ml, 10ml	High strength Studlock, general purpose	Threadlocking
272	272 Red Threadlocker 50ml	High strength, high temperature	Threadlocking
290	290 Green 10ml, 50ml, 250ml	Med/high strength, wicking grade	Threadlocking
330	AA 330 Bottle 50ml	General purpose, multi-bonding acrylic	Bonding
380	380 Black Bottle 50gm	Toughened black instant adhesive	Bonding
382	382 20gm	Cyano Gel, general purpose	Bonding
401	401 3g,20g, 50g,	General purpose, acidic & porous surfaces,	Bonding
406	406 Bottle 20gm	Plastic & rubber, low viscosity	Bonding
407	407 Bottle 50gm	High temperature, low viscosity	Bonding
415	415 Bottle 20gm	Metals, high viscosity, (Methyl)	Bonding
416	416 Bottle 20gm	General purpose, high viscosity	Bonding
460	460 Bottle 50gm	Low, odour, low bloom, low viscosity (Alkoxy)	Bonding
480	480 Bottle 20gm	Black, toughened, slow curing	Bonding
496	496 Bottle 20gm	Metals, medium viscosity (Methyl)	Bonding
601	601 Green MOD DTD5633 /G2 10ml, 50ml	High strength, low viscosity, small gaps	Retaining
603	603 H/Strength Adhesive Bottle 50	High strength, oil tolerant	Retaining
638	638 Bottle 50ml	High strength, high temperature, oil tolerant	Retaining
641	641 Bottle 50ml	Med strength, allows disassembly	Retaining
648	648 Bottle 50ml	High strength, very high temperature, oil tolerant	Retaining
932	1K acrylic, 50ml, low viscosity, low strength	Brown, 15 minute cure, 125 mPas, easy disassembly	Threadlocking
4105	4105 Bottle 20gm	Rubber toughened black instant adhesive	Bonding
128068	1K, gel like, semi-flexible, very slow curing	For FIP gaskets, fluorescent for quality control	Flange Sealant
Double Bubble	Double Bubble Kit 50x3g	2K epoxy for small and quick repairs	Bonding
EA 108	1K Paste adhesive 320ml, cold store	Silver, 170,000 mPas, was Bondmaster ESP108	Bonding
EA 109	EA 109, Cream, 320ml	1K epoxy, high temperature, high impact resistance	Bonding
EA 110	EA 110, Silver, 320ml	Metal filled paste adhesive, high impact resistance	Bonding
EA 9492	2K 2:1, Low outgas, 75 minute fixture time	High chemical resistance & high temp <180	Structural Bonding
EA E01	EA E01 EP Adhesive 50ml	General purpose 5 minute epoxy adhesive	Bonding
EA E32	EA E32 EP Adhesive 50ml Dual	Structural bonding epoxy adhesive	Bonding
F241	AA F241 320ml acrylic adhesive	2K no mix, fast cure at RT, flexible	Bonding
HY4070	Ultra Fast Hybrid Adhesive 11gm	Tough 2K fast adhesive, bonds gaps < 5mm	Bonding
HY4080GY	Toughened Hybrid Adhesive 50g, 400g	Tough 2K structural adhesive, general purpose	Bonding
HY4090	Fast/Strong Hybrid Adhesive 50g, 400g	Tough 2K fast adhesive, general purpose	Bonding
SF 7063	SF 7063 400ml, aerosol	Solvent cleaner & degreaser	Cleaning
SF 7455	Cyanoacrylate Accelerator 150ml, 25ml	Instant adhesive accelerator	Activator
SF 7471	SF 7471 150ml, aerosol activator	Solvent based, anaerobic, for passive surfaces	Activator
SF 7649	SF 7649 500ml , 150ml activator	Solvent based, for passive surfaces	Activator
SF 7840	SF 7840 5L Degreaser	Universal cleaner, solvent free,	Cleaning
Teroson MS9399	2K white adhesive, thixotropic, MS Polymer	Highly viscous, sag resistant, for indoor & outdoors	Bonding



Potting & Encapsulation Compounds

Techsil's own brand 2-part PU's and Epoxies for Potting and Encapsulation

Product	Description	Key Properties	Application
EP21292	2-part Epoxy, low viscosity, durable resin, 1.4 W/mK, UL94 V0	92D, Black	Potting, Encapsulation
EP21480	2-part Epoxy, gen. purpose, slow cure, UL, medium viscosity, 0.9 W/mK	80D, Black	Potting, Encapsulation
EP25676	2-part Epoxy, thermally conductive, 1.3 W/mK, UL approvable, HT 180 C	76D, Black	Potting, Encapsulation
PU20190	2-part PU, low viscosity, soft, long work life, good adhesion	80A, Black	Potting, Encapsulation
PU20445	2-part PU, low viscosity, high water resistance, FR & chemical	45A, Black	Potting, Encapsulation
PU20690	2-part PU, general purpose, thermally conductive, 0.85 W/mK	90A, White	Potting, Encapsulation
PU20968	2-part PU, flexible, excellent water resistance	68A, Black	Potting, Encapsulation
PU21150	2-part PU, FR, thermally conductive, UL94-V0, low viscosity	90A, Black	Potting, Encapsulation
PU217	2-part PU, high tear strength, heat or RT cure	78A, Black	Potting, Encapsulation
PU23930	2-part PU, flexible, excellent long term UV stability	30D, Pearl	Potting, Encapsulation
VT2420LV	2-part PU, crystal clear, excellent long term UV stability	70A, Clear	Potting, Encapsulation

Engineering Adhesives



ThreeBond products are used in a wide variety of applications and industries such as: automotive, electric and electronic equipment and maintenance. Many ThreeBond products are specified by major OEM's worldwide such as Nissan, Honda, Yamaha, Ford, Sony, Hitachi, Philips, Panasonic, Caterpillar, Komatsu, Makita and TDK.

Product	Description	Key Properties	Application
TB1102	Non Drying, Off-white, Liquid Gasket	Excellent Chemical Resistance	Gasketing
TB1110H	Anaerobic Reactive Pipe Sealant	Seals against oil, water and most chemicals	Sealing
TB1121	Non-Drying, Grey Liquid Gasket Paste	Solvent Free & Odourless	Gasketing
TB1184	Semi-Drying, Grey Automotive Sealer	Vibration, Impact, Chemical & Oil Resistance	Sealing, Gasketing
TB1207B	Non-Sag, Black, Acetone, Liquid Gasket	Ideal for sealing large clearances	Sealing
TB1211	Low Viscosity, White, Liquid Gasket	Vibration & Engine Oil Resistance	Gasketing
TB1212	Non-Sag, White, Solvent Free, RTV Liquid Gasket	Excellent Adhesion & Engine Oil Resistance	Bonding, Sealing
TB1215	Semi-Sag, Grey, Oxime OEM Engine Gasket Sealant	Excellent Resistance to Oils	Gasketing
TB1217H	Non-Sag, Grey, Low Odour, Low Acid, Oxime Gasket	High Adhesion, Excellent Oil Resistance	Sealing, Gasketing
TB1401	Anaerobic Clear Screw Locking Agent	Suitable for Plastics & Painted Parts	Threadlocking
TB1401B	Anaerobic Green Screw Locking Agent	Suitable for Plastics & Painted Parts	Threadlocking
TB1401C	Anaerobic Red Screw Locking Agent	Suitable for Plastics & Painted Parts	Threadlocking
TB1530B	Multi-purpose, Black, Thixo Paste MS Polymer	Solvent Free, High Elongation	Bonding
TB2210	Black, One-Component Heat Cure Epoxy	Electrical, Chemical & Thermophysical Properties	Bonding, Sealing, Casting
TB5211C	Non-Sag, Clear, Solvent Free RTV Silicone Sealant	Excellent Adhesion & Weather-proofing	Bonding, Sealing

Non-Setting Gaskets and Jointing Compounds

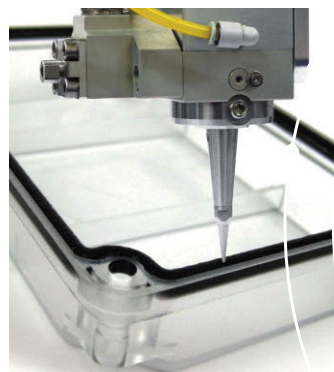


Techsil supply Hylomar's world leading range of high performance non-setting gasket and jointing compounds

Product	Description	Key Properties	Application
Universal Blue	Leading non-setting gasket & jointing compound	Non-hardening, fuel resistant	Gasketing
Aerograde PL32	Non-setting gasket & jointing compound	Rolls-Royce & NATO approved	Gasketing
Aerograde Ultra PL32A	Non-chlorinated solvent version of Aerograde PL32	Rolls-Royce approved	Gasketing

Techsil's New Form-in-Place Foam (FIFPG) Gasketing Service

A contract gasketing service is a new venture for Techsil that has come about through customer need and dovetails nicely with our existing product portfolio. This service has particularly captured the interest of Automated Gasketing manufacturers in the lighting, electronics, automotive and packaging sectors. The product used is a 1-part PU Foam which can be applied to any shape using a sophisticated 6 axis robot dispensing system. Short cycle times save time and money.



TECHSIL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

Hot Melt Adhesives

Power Adhesives Ltd are Europe's leading shaped hot melt adhesive specialist and offer the largest range of high quality, competitively priced hotmelt glue sticks, prills and pillows under the tecbond® brand



Product	Description	Key Properties	Application
FoundryTec 301	Light brown for sand core assembly	High viscosity, long open time	Steel foundries, good on ceramics
FoundryTec 501	Light brown, low ash content, for sand core assembly	Low viscosity, long open time	Lost wax investment process
FoundryTec 601	Light brown, for sand core assembly	Med viscosity, fast setting	Steel foundries, ceramics
Overtec 5FR	High perf. low pressure polyamide moulding resin	ULVO, hi temp, water res	Overmoulding of electronics, cables, PCB's
Tecbond 14	Light brown, hotmelt, Packaging & print	Low viscosity, fast setting	Cardboard, Point of Sale (POS) displays, Carton seal
Tecbond 213	Economical, Light brown, Cardboard grade	Med viscosity, long open time	Ceramic tiles, rigid PVC, styrene, prod. assembly, POS
Tecbond 214	Economical, Light brown	Med viscosity, fast setting	Cardboard, Point of Sale (POS) displays, Carton seal
Tecbond 23	Multipurpose, Light brown, Packaging Grade	Med viscosity, long open time	Fabrics & textiles, Hard & soft wood, universal
Tecbond 239	Crystal clear, excellent gap filler, clear bond lines	High viscosity, med open time	Bonds wood, paper, card, plastics, fabrics & foams.
Tecbond 240	Clear for invisible bond lines, multipurpose	High viscosity, long open time	Light gauge metals, plastics incl. ABS, PC. Glass, etc
Tecbond 246	Clear & black, high performance, smooth surfaces	High viscosity, med open time	Paintless Dent Removal (PDR). Painted, varnished
Tecbond 248	Clear, very high performance, multi surface bonding	Med viscosity, long open time	Acrylics for signs, displays and other plastic parts
Tecbond 260	High performance. Light brown. Tough and flexible	Med viscosity, long open time	Ceramics, plastics, POSD, metal, badges & decals
Tecbond 261	High performance. Light brown. Tough and flexible	Low viscosity, long open time	Ceramics, plastics, POSD, metal, badges & decals
Tecbond 263	Specialist Polypropylene (PP) bonding. Light brown	High viscosity, long open time	High heat resistance. Bonds PP to PP
Tecbond 265	43mm slug, Light brown, product assembly adhesive	Med viscosity, long open time	Bonds PE, PP, PC, nylon, rigid PVC, light metals & PS
Tecbond 267	43mm slug, Light brown, Auto assembly adhesive	Low viscosity, long open time	Hi temp, bonds textiles to metals, plastics & wood
Tecbond 342	White adhesive with instant grab, Heavy Duty	High viscosity, fast setting	Packaging, HD carton board, cable attachment
Tecbond 420	General purpose spray. Light brown	Med viscosity, long open time	Spray and bead. Fabric, upholstery, foams, mattresses
Tecbond 425	High perf spray, Light brown. For spray and bead	Low viscosity, long open time	Fabric, upholstery, foams, mattresses, laminating
Tecbond 430	High perf spray, Light brown. For spray and bead	Med viscosity, very long open time	Fabric, upholstery, foams, mattresses, laminating
Tecbond 7784	Polyamide, Amber, High and low temp resistant	Med viscosity & open time	Packaging, woodworking & product assembly.
Tecbond 7785	Polyamide, Amber, High and low temp resistant	Med viscosity & open time	Chemical resist. Filter assembly, electronics potting
Tecbond LM44	Low melt, White	Low viscosity, short open time	Expanded PS, thin films, balloons, delicate textiles
Techsil 3793	High performance, low odour, Bulk hot melt, Pearl	Med viscosity, short open time	Bulk hot melt adhesive for melter tanks. Universal
Techsil HM27399	High performance, low odour, Automotive, Pearl	Med viscosity, long open time	High softening point & temp resist, textiles & metal
Techsil HM67199	High molten tack, bulk hot melt. Light amber colour	Low viscosity, medium open time	For melter tanks. Universal cartons, cases & packaging
Techsil PSHM15299	Semi pressure sensitive bulk hot melt adhesive	Pale amber, Ecoblocks	Foam laminating, protective cases, mattress assembly

Hot Melt Glue Guns

For application of hotmelt adhesives, tec™ glue guns are portable and reliable. Able to apply adhesive in bead, dot and spray patterns depending on the model selected



Product	Description & Properties	Application
B-Tec 807	12mm Completely portable hot melt gun powered by rechargeable battery. 195°C	12mm. Quick recharge. Charger & carry case available.
Gas-Tec 600	12 mm Gas hot melt glue gun, piezo igniter & 2 refillable cartridges	Multipurpose gun, runs on butane gas, refillable
Tec 305	12mm. Lightweight, small, 120v & 230v. 195°C	Multipurpose gun, Light use
Tec 3400	43mm High output industrial gun. Automatic standby. 120v & 230v. 195°C	Ecotec precision temperature control
Tec 6100	43mm High output, pneumatic industrial gun. 120v & 230v. 195°C (fitted)	Multipurpose robust gun
Tec 6300	43 mm High output. Pneumatic spray hot melt gun. 120v & 230v. 180°C (fitted).	Spray gun. Variable nozzles available
Tec 7100	43mm High output, pneumatic gun. 120v & 230v. 195°C (fitted). Speed loader	Speed loader reduces down time
Tec 806	12mm & 15mm. Low cost. 120v & 230v. 195°C	Multipurpose gun, Medium size
Tec 810	12mm & 15mm. Medium. 120v & 230v. 195°C	Multipurpose gun, Heavy duty
Tec 820	12mm & 15mm. Med size hot melt gun. 120v & 230v. 130° - 195°C	Multipurpose gun, Heavy duty



Tapes



Techsil supplies ITW Stokvis' range of structural bond tapes, industrial masking tapes, double-coated foam tapes and die-cut self-adhesive tapes.

Product	Description & Properties	Application
ATT456	Double sided transfer tape white fibres	Mounting and splicing, high temperature resistance. Adhesive medium for signs, labels, nameplates, mounting photographs and posters
D2004	Double coated non woven tape	Designed to make foams self adhesive for a wide variety of sealing applications.
D3051	Double coated tissue tape with a solvent acrylic adhesive	Hand tearable. High temp bonding, Paper splicing, name plates, bag sealing, positional tacking.
DF011	Double sided, 1mm clear structural bonding tape	Structural bonding. Strong adhesion & shear resistance. Used for mounting signs, graphics, replacement of mechanical fasteners and welds. Used for bonding metals
DF016	Double sided 0.8mm Grey Structural Bonding Tape. Used for bonding metals	Structural bonding for the automotive market. Strong adhesion & shear resistance. Used for mounting signs, graphics, replacement of mechanical fasteners and welds.
DS002	Double sided modified acrylic scrim transfer tape	Good tack and adhesion to rough and low energy surfaces such as foams, textiles, carpet, rubber, PP and PE.
DS004	Double sided modified acrylic scrim transfer tape	Good tack and adhesion to rough and low energy surfaces such as foams, textiles, carpet, rubber, PP and PE.
DSC450	Double sided cloth tape, general purpose	Wood, metal, plastics. No plasticiser migration on most surfaces.
DSPR397	Double sided tape, polyester carrier, modified acrylic adhesive, Resistant to UV light, temps, chemicals, solvents & humidity	High temperature resistant. Bonding metal & high-energy surfaces. Textiles and plastics. Used on window blinds, truck and car mirrors in plastic housings, trims, covers and cable trunking
DSPR965	Double sided PET tape with solvent modified acrylic adhesive	High temperature resistant. Bonding metal & high-energy surfaces. Textiles and plastics. Mounting of rubber / EPDM profiles. Mounting of decorative profiles and mouldings in the furniture industry. Mounting of ABS plastic parts in the automotive industry
DSV392	Double sided tape, hard PVC film with acrylic adhesive	Bonding auto mirrors, signs, trims, laminates. Signage on exhibition stands, joining insulation panels, window blinds
DSV4405	Double sided PVC tape with a rubber based adhesive	General purpose splicing tape suitable for virtually all substrates with the exception of siliconized paper. Showcard assembly, mounting dummy packs, and display samples
FastFixer	Fastfixers™ are glue dots of clear pressure sensitive adhesive	Residue free glue dots. Low medium and high tack. Used for mailings, fulfilment, cover mounting, merchandising promotions, transit packaging
S4066	Single sided High Temperature, bi-directional fibreglass reinforced paper tape	High performance, very good tensile strength, and good adhesion and shear resistance. Splicing of a variety of materials such as glass fibre, textile, vinyl floor coverings, thick Kraft paper and abrasive papers, particularly at high temperatures. Can also be used for sealing of aluminium and steel sheet metal rolls.
S4070	Single sided tape, smooth crepe paper tape, rubber adhesive	High temperature masking tape. Smooth, conformable and easy to work with and has good adhesion and holding power. It is tear and solvent resistant and removes clean from most substrates, used for automotive paint masking. Capable of supporting standard sized Kraft aprons at elevated temperatures. Allows clean removal when stripped hot.
SM000	Single sided, premium grade plasma masking tape	Developed to withstand the abrasion of grit blasting and the extreme temperatures/pressures of the plasma spray process, and the resistance against high temperatures prevents tape slippage after application
SSF2015	Single sided closed cell EPDM foam rubber tape	Compression seal foam tape, general sealing applications, suitable for outdoors
SSF3259	Single sided PVC foam tape similar properties to Neoprene foam	Used as a compression water and air/dust seal, for preventing electrolytic corrosion and for gap filling, anti-slip mounting. Suitable for indoor and outdoor use
SSF3509	Single sided, medium hard PVC foam	Used as a compression seal, for preventing electrolytic corrosion and for gap filling, anti slip mounting. Suitable for indoor and outdoor use
TC06015	Thermally Conductive Tape	Good wetting out properties, flame retardant. Bonding heat sink for PCB and IC package. Mounting of IC, GPU, heat pipe and heat sinks assembly. Bonding heat sink to LED strips and units for lighting
VLLM	Black single sided Velour tape	Anti-noise tape (prevents rattles & squeaks), for interior automotive applications



TECHSiL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

Adhesive Bonding

Anaerobic threadlockers, pipe sealants, retainers, gasket makers, Cyanoacrylates and 1 & 2 part acrylic and epoxy structural adhesives.

Product	Description	Key Properties	Application
101	Superglue, ultra low viscosity, rapid cure, rubber & o-ring bonding, for close fitting parts. MIL spec. aka C1	Clear, 2 mPa.s	Cyanoacrylate
102	General Purpose superglue, low viscosity, plastic & rubber, fast setting, for close fitting parts. aka C2. MIL	Clear, 80 mPa.s	Cyanoacrylate
105	Ethyl Cyano. High purity for hard to bond plastics & rubber. Butyl, Natural & EPDM. MIL spec	Clear, 40 mPa.s	Cyanoacrylate
240	Ethyl Cyano. High viscosity & slower cure time for accurate alignment, rapid high strength, aka C4. MIL spec	Clear, 1,900 mPa.s	Cyanoacrylate
735	Ethyl Cyano. Toughened & flexible superglue, low viscosity, longer cure. Good impact & peel strength.	Black, 150 mPa.s	Cyanoacrylate
737	Ethyl Cyano. Black magic, toughened & flexible, impact strength, gap fill to 0.5mm, aka C737	Black, 3,000 mPa.s	Cyanoacrylate
792	Ethyl Cyano. Low viscosity superglue, rapid cure, for wood, plastics, metal, elastomers, aka C792, MIL & NSF	Clear, 90 mPa.s	Cyanoacrylate
910	Methyl cyano. Original 100% methyl superglue, fast 10s cure, bonds most metals. Boeing approval, MIL spec	Clear, 80 mPa.s	Cyanoacrylate
947	Alkoxyethyl cyano. Low odour, non-fogging, non-frosting, bonds most materials. No solvents	Clear, 1,200 mPa.s	Cyanoacrylate
2010	Ethyl Cyano. Non-drip gel, fast cure, gap filling to 0.5mm, aka C2010	Clear	Cyanoacrylate
2011 Gel	Ethyl Cyano. Thixotropic. Non-drip gel, fast cure, gap filling to 0.5mm, porous materials, high temp resistance	Clear Gel	Cyanoacrylate
4C10	Ethyl Cyano. Low viscosity. Plastic, metal, rubber, USP Clause VI, ISO 10993-5 Cytotoxicity, no solvents	Clear, 40 mPa.s	Cyanoacrylate - Medical
4C40	Ethyl Cyano. Med-high viscosity. Plastic, metal, rubber, USP Clause VI, ISO 10993-5 Cyto. Gap filling	Clear, 2,000 mPa.s	Cyanoacrylate - Medical
743HT	Cyano. High temp superglue, thixotropic, high elongation, excellent impact & vibration resistance	Clear	Cyanoacrylate
A1042	Acrylic. Med viscosity, med strength, rapid curing, WRAS approved, for hydraulic & pneumatic fittings	Blue, 8,000 mPa.s	Anaerobic Threadlocker
A-1044	Acrylic. Instant seal, metal pipe connections, medium strength, high viscosity, chemical resistant, durable	White	Anaerobic Threadsealant
A1046	Acrylic. Rapid cure, high strength, high viscosity toughened retainer, excellent durability.	Green	Anaerobic Retainer
A113	Acrylic. Low viscosity for fine threads. Excellent chemical resist, can unscrew, WRAS approved for potable water	Blue, 500 mPa.s	Anaerobic Threadlocker
A118	Acrylic. Low viscosity, high strength permanent locking and sealing for bearings, gears, studs. Durable	Green, 400 mPa.s	Anaerobic Retainer
A130	Acrylic. Medium viscosity for thicker threads, excellent chemical resist, can unscrew, WRAS approved as above	Blue, 8,000 mPa.s	Anaerobic Threadlocker
A131	Methacrylate ester. Threaded pipe seal, gases, liquids, instant seal, delayed cure. KIWA & WRAS approved.	White	Anaerobic Threadsealant
A134	Acrylic. High strength permanent locking, for large & coarse fittings, thixotropic, WRAS. Max gap fill 0.5mm	Green	Anaerobic Retainer
ES550	1K epoxy, high strength, non slump, heat cure, resistance to vibration, good impact strength, gap fill 5mm	Silver-grey paste	1K Epoxy
ET500	2K, Gen purpose bonding, fast setting, bonds wood, metal, ceramics and some plastics and composites.	Clear, 20,000 mPa.s	2K Epoxy
ET515	2K, semi flexible toughened adhesive, reaches handling strength in 20-30 minutes. Ideal for dissimilar substrates	Clear, 18,000 mPa.s	2K Epoxy
ET536	2K 1:1, toughened, thixotropic, excellent gap fill, flow control, wood, metal, ceramics, plastics and composites	Grey	2K Epoxy
ET5364	2K, 1:1 non-drip epoxy, easy to apply, high shear strength, optimal strength when cured at 60°C for 1 hr, gap fill 2mm	Grey	2K Epoxy
ET538	2K, 1:1 toughened, thixotropic, excellent gap fill and vertical applications, flow control, long pot life <150m ns	Grey	2K Epoxy
ET5381	2K, 1:1 RT cure epoxy, non-drip, high impact, shear & peel strength, good chem resist, gap fill to 5mm	White	Structural
ET5428	2K, composite bonding with rapid cure <45 mins, thixotropic, high temp, colour matched for FRP bonding	Off-white	2K Epoxy
F202	Acrylic. Toughened "no drip", high strength, resistance to peel and impact forces, bonds dissimilar surfaces	Brown	Anaerobic Retainer
MH052	Acrylic. Seals gas pipe joints to bursting rating of pipe, durable seal, WRAS, DVGW & BAM approved	Yellow	Anaerobic Threadsealant
MS359	1K, moisture cure, lo-mod, non sagging paste, TFT <20mins, 140 - 100, can be painted, no solvents	Clear & Grey	MS Polymer
MT3821	2K 2:1 epoxy adhesive, high viscosity, bonds Nylon, ABS, PC and other plastics and metals, soft and flexible	Black, 200,000 mPa.s	2K Epoxy
Primers, Actv, Cleaners	Polyolefin Primer, CA activator, Anaerobic Activator, Surface Cleaner A, Silane Pre-treatment		Primers & Activators
PT321	2K, 1:1, very rapid cure <3 mins, composite bonding, metals, plastics wood, -40 to 120	Dark Grey, 5000 mPa.s	PU
PT328	2K, 1:1, slower cure <20 mins, composite bonding, metals, plastics wood, 40 to 120	Dark Grey, 5000 mPa.s	PU
TA4202	2K 1:1 toughened acrylic, general purpose, fast cure, high shear, impact & peel strength	Grey, 4,000 mPa.s	Structural
TA4204	2K 1:1 toughened acrylic, general purpose, colourless, 10,000mPas	Clear	Structural
TA4246	2K "no mix" acrylic, requires initiator 46, -40 to 120, fast cure very high shear, impact & peel strength	Amber, 25,000 mPa.s	Structural
TA4605	2K 1:1 toughened acrylic, low surface energy plastics, composites, 100,000mPas	Off-white	Structural
TA4610	2K 1:1 toughened acrylic, low surface energy plastics, composites, 250,000mPas	Off-white	Structural
UV 6160	1K UY, very clear bond line even under stress, 70D, -55 to 120, high shear strength, fast cure, non yellowing	Clear, 1,500 mPas	UV-Curing

Structural bonding adhesives especially suited for bonding composites



Product	Description	Key Properties	Application
SG 300-05	2K Methacrylate 10:1 ratio, no primer, bonds plastics, metals & composites. 5min work time, low bondline read through	Off-white	Structural Bonding
SG 5000-06	2K Methacrylate 1:1 ratio, high strength, no primer, bonds plastics, metals & composites, 6 min work time, 11 min cure	Amber	Structural Bonding
SG 5000 -13	2K Methacrylate 1:1 ratio, high strength, no primer, bonds plastics, metals & composites, 13 min work time, 23 min cure	Amber	Structural Bonding



Polyurethane Casting Resins



Techsil supplies BJB's two component thermoset PU resins and foams. Products range from very soft gels to stiff rigid plastics

Product	Description	Shore Hardness	Work Time	Cure Time	
AF-4	Anti-Foam Surface Tension Relieving Agent	-	-	-	
AP1230	Polyurethane Adhesive	70 Shore A	3 - 4 min	15 mins	
BR25	Brushable, Tough Flexible Polyurethane Skin	25 Shore A	10 - 15 min	3 - 4 hours	
BR75 D	Brushable, Rigid, High Impact Polyurethane Skin	75 Shore D	10 - 15 min	2 - 3 hours	
F105	SkinFlex 5, Soft, Stretchy Casting Polyurethane	5 Shore A	5.5 - 6 min	2 - 3 hours	
F116	Flexible, High Performance Casting Polyurethane	15 Shore A	3.5 - 4 min	1 - 2 hours	
F126	Flexible, High Performance Casting Polyurethane	25 Shore A	3.5 - 4 min	1 - 2 hours	
F130	Flexible, High Performance Casting Polyurethane	30 Shore A	8 - 9 min	2 - 3 hours	
F141	Flexible, High Performance Casting Polyurethane	40 Shore A	3 - 3.5 min	1 - 2 hours	
F150	Flexible, High Performance Casting Polyurethane	50 Shore A	6 - 7 min	5 hours	
F160	Flexible, High Performance Casting Polyurethane	60 Shore A	5 - 6 min	5 hours	
F164 FR	Flame Retardant Castable Polyurethane	60 Shore A	9 - 10 min	2 - 3 hours	
F171	Flexible, High Performance Casting Polyurethane	70 Shore A	3 - 3.5 min	1 - 2 hours	
F180	Flexible, High Performance Casting Polyurethane	80 Shore A	8 - 9 min	2 - 3 hours	
F181	Flexible, High Performance Casting Polyurethane	80 Shore A	4 - 5 min	1 - 2 hours	<i>New</i>
F195	Flexible, High Performance Casting Polyurethane	95 Shore A	8 - 10 min	3 hours	
FD70	Semi Rigid, Fast Reacting Polyurethane	70 Shore D	5 - 6 min	60 - 90 min	
L3530	Long Cure Time, Flexible Casting Polyurethane	30 Shore A	30 - 35 mins	8 - 14 hours	
L3560	Long Cure Time, Flexible Casting Polyurethane	60 Shore A	25 - 30 mins	8 - 14 hours	
M3115	Medium Cure Time, Flexible Casting Polyurethane	15 Shore A	15 - 20 min	6 - 8 hours	
M3140	Medium Cure Time, Flexible Casting Polyurethane	40 Shore A	15 - 20 min	4 - 6 hours	
M3150	Medium Cure Time, Flexible Casting Polyurethane	50 Shore A	15 - 20 min	6 - 8 hours	<i>New</i>
M3160	Medium Cure Time, Flexible Casting Polyurethane	60 Shore A	15 - 20 min	4 - 5 hours	<i>New</i>
M3170	Medium Cure Time, Flexible Casting Polyurethane	70 Shore A	15 - 20 min	2 - 3 hours	<i>New</i>
M3184 FR	Flame Retardant Castable Polyurethane	80 Shore A	10 - 15 min	2 - 3 hours	
M3190	Medium Cure Time, Flexible Casting Polyurethane	90 Shore A	15 - 20 min	3 - 4 hours	<i>New</i>
M3195	Medium Cure Time, Flexible Casting Polyurethane	95 Shore A	15 - 20 min	4 - 6 hours	<i>New</i>
MD70	Medium Cure Time, Semi Rigid Polyurethane	70 Shore D	10 - 15 min	4 - 6 hours	<i>New</i>
PC12	Gel, Room Temp Curing, Casting Polyurethane	20 Shore 00	10 - 15 min	16 - 24 hours	
SC-22	Polyurethane Softening Agent	-	-	-	
SC-30	Vanilla Fragrance Additive for Liquid Resins	-	-	-	
SC92	Water Based, Polyurethane Coating	-	-	1 - 2 hours	
TC1630	Ultracast, Tough, Filled, Casting Polyurethane	84 Shore D	5 - 6 min	1 hour	
TC266	Soft, 'Cushion', Quick Recovery Polyurethane Foam	-	15 - 20 sec	20 - 30 min	
TC278 FR	Soft, Fire Retardant Flexible Polyurethane Foam	-	20 - 25 sec	25 - 30 min	
TC284	Self-Skinning Polyurethane Foam	-	20 - 25 sec	30 min	
TC296 FR	Flame Retardant, Flexible Polyurethane Foam	-	20 - 25 sec	25 - 30 min	<i>New</i>
TC680	Detail Reproduction, Casting Polyurethane	80 Shore A	20 min	4 - 6 hours	
TC800	Low Viscosity, Rigid Casting Polyurethane	75 Shore A	2 min	60 min	<i>New</i>
TC808	Rapid Setting, Rigid Polyurethane for Tough Casting	78 Shore D	2 - 2.25 min	30 - 60 min	
TC814	Durable, Aluminium Filled Polyurethane	85 Shore D	12 - 14 min	3 - 4 hours	
TC850	High Impact, Tough, Vac Casting, Polyurethane	75 Shore D	6 - 8 min	1 - 2 hours	
TC872	Rigid, Heat Resistant, Casting Polyurethane	70 Shore D	10 - 12 min	2 - 3 hours	
TC880	Rigid, Translucent, Tough Impact Polyurethane	80 Shore D	5 - 6 min	1 - 2 hours	<i>New</i>
TC892 FR	Rigid, Flame Retardant, Casting Polyurethane	80 Shore D	20 - 25 min	5 - 6 hours	
TC9445	High Performance, Impact Resistant Polyurethane	45 Shore D	25 min	6 - 8 hours	<i>New</i>
TC9462	High Performance, Impact Resistant Polyurethane	60 Shore D	15 min	4 - 5 hours	<i>New</i>
UV-100	Ultra Violet Additive for Polyurethanes	-	-	-	
XP18-19	2-part water clear, Mercury free, Casting Polyurethane	85 Shore D	15 min	3 - 4 hours	<i>New</i>
XP18-75					<i>New</i>
New WC	2-part Rigid Water Clear, Mercury free, Casting PU	85 Shore D	12 - 14 min	3 - 4 hours	<i>Coming Soon</i>
New WC	2-part Rigid Water Clear, Mercury free, Casting PU	86 Shore D	5 - 6 min	45 - 60 min	<i>Coming Soon</i>
New WC	2-part Rigid Water Clear, Mercury free, Casting PU	75 Shore A	12 - 14 min	3 - 4 hours	<i>Coming Soon</i>



TECHSIL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

O-rings

Trelleborg o-ring seals offer a range of elastomeric materials for both standard and special applications to seal practically all liquid and gaseous media. This is a selection of some of our best sellers. Aerospace Standards Prefix: 100, 104, 106 = ISO3601-1, 102 = BS4518



Product No	Hardness	Material	Application, Description & Properties	Specification
10X-XXX-0059	66-75 IRHD	Based upon acrylonitrile butadiene copolymer (NBR)	Resistant to a range of chemicals including mineral and lithium based greases and mineral based oil.	BS2751 BA70
10X-XXX-0072	50-61 IRHD	Based upon high acrylonitrile-butadiene copolymer (NBR)	Exhibits excellent resistance to synthetic and mineral-based oils and greases and to hydrocarbon fuels such as kerosene and petrol.	DTD5509 Grade D
10X-XXX-0073	62-72 IRHD	Based upon high acrylonitrile-butadiene copolymer (NBR)	It therefore exhibits resistance to synthetic and mineral-based oils and greases and to hydrocarbon fuels such as kerosene and petrol	DTD5509 Grade C
10X-XXX-0106	71-80 IRHD	Based upon polychloroprene rubber (CR)	For applications where resistance to weathering and oxidative degradation is important, resistance to greases and oil splashing.	BS2752 C70
10X-XXX-0109	74 +/-4 IRHD	Based upon butyl rubber (IIR)	Exhibits good resistance to aryl phosphate ester hydraulic fluids, ozone and to gas permeation.	
10X-XXX-0270	73 +/-4 IRHD	Based upon medium acrylonitrile-butadiene copolymer (NBR)	It therefore exhibits resistance to mineral based hydraulic fluids and to many other chemicals.	AFS 795C
10X-XXX-0640	46 +/-4 IRHD	Based on medium acrylonitrile-butadiene copolymer (NBR)	Resistant to the effects of many mineral and synthetic based hydraulic oils.	AFSD 742C
10X-XXX-1109	68-76 IRHD	Based upon low acrylonitrile-butadiene copolymer (NBR),	For use in aerospace applications where resistance to mineral based fluids is required. It has been designed to seal at temperatures of -60°C.	AFSD760E
10X-XXX-1911	85-95 IRHD	Based upon medium acrylonitrile-butadiene copolymer	Excellent resistance to mineral oils, mineral and lithium based grease, some fuels, and many chemicals.	DTD458A Grade B1
10X-XXX-2129	76-85 IRHD	Based upon fluorocarbon elastomer (FKM)	Excellent resistance to many solvents and hydrocarbon fuels, as well as mineral oils. 2129 is also resistant to degradation at high temperature, caused by oxygen and ozone. The compound has been specifically formulated to have low compression set at high temps	DTD5612A Grade 80
10X-XXX-2275	80 +/- 5 Shore A	Based upon ethylene-propylene terpolymer (EPDM)	Resistant to non-flammable hydraulic fluids such as aryl phosphate ester, as used in aerospace applications. Good resistance to embrittlement at low temp and to oxidative degradation, ozone and weathering	NAS1613 Rev 2
10X-XXX-2297	70-80 Shore A	Based upon low acrylonitrile butadiene copolymer	Exhibits good resistance to petroleum based hydraulic oils and engine lubricants over a wide temperature range.	AMS-P-83461
10X-XXX-2543	66-75 IRHD	Based on medium acrylonitrile-butadiene copolymer (NBR)	It therefore exhibits good resistance to mineral based hydraulic and lubricating oils, diesel fuel, water and water glycols and many other chemicals. It should be noted that material 2543 has only moderate resistance to oxidative degradation and is attacked by ozone.	DEF STAN 02-337 MN70 - Used for Naval applications
10X-XXX-2993	80 +/-4 IRHD	Based upon ethylene-propylene terpolymer (EPDM)	Excellent resistance to attack by oxygen, ozone and weathering. Specifically developed to exhibit resistance to aryl phosphate ester fluids.	AFS2325
10X-XXX-8805	70 +/-5 IRHD	Based upon silicone rubber (VMQ)	It is therefore serviceable over a wide temperature range and is highly resistant to attack by oxygen and ozone. 8805 is not resistant to hydrocarbon fuels and oils.	DTD5513 Grade 70
10X-XXX-8808	46-55 IRHD	Silicone rubber (VMQ) cream coloured	Good resistance to high temps remains flexible at very low temps, Excellent resistance to oxygen and ozone and good resistance to many chemicals, including mineral oils and some diester oils	BS F153:2006 Grade 50
10X-XXX-8810	70 +/-4 IRHD	Based upon silicone rubber (VMQ).	Excellent resistance to compression set and degradation at high temps, remains flexible at very low temps. Resistant to many chemicals including heavy mineral oils and some diester oils, and specifically oxygen and ozone.	DTD5605A grade 70
10X-XXX-8813	60 +/-10 IRHD	Based upon fluorosilicone elastomer (FVMQ.) Material 8813 is pigmented red.	Operates over a wide temperature range. 8813 is also noteworthy for its resistance to property changes after immersion in a wide range of fluids, which includes fuels (automotive and aircraft), mineral based hydraulic and lubricating oils and many solvents.	
10X-XXX-8867	80 +/-5 Shore A	Based upon fluorosilicone elastomer (FVMQ). Material 8867 is pigmented blue.	Excellent resistance to hydrocarbon fuels and oils over a wide temp range. Additionally it has excellent resistance to degradation caused by oxygen and ozone.	ANS-R-25988 Class 1 Grade 80
10X-XXX-8873	60 +/- 5 Shore A	Based upon fluorosilicone elastomer (FVMQ). 8873 is pigmented blue	It therefore exhibits good resistance to property changes over a wide temperature range, together with excellent resistance to ozone, oxidative degradation and weathering. 8873 is also resistant to a wide range of aggressive hydrocarbon based fluids such as oils, fuels and solvents.	AMS-R-25988, Class 1, grade 60
10X-XXX-8815	80 +/- 4 IRHD	Fluorosilicone Elastomer FVMQ. 8815 is pigmented blue	Excellent resistance to fuels such as Kerosene, petrol etc, mineral based lubrication and hydraulic oils, and many other solvents. 8815 will remain flexible to low temps and is unaffected by ozone, oxygen, weathering etc at high temperatures.	AFS 1011E

Industrial Standards Prefix: 200 = ISO3601-1, 202 = BS4518

Product No	Hardness	Material	Application, Description & Properties
20X-XXX-4470	70 +/-5 IRHD	Acrylonitrile-Butadiene (NBR)	Good resistance to mineral oils. It should be noted that 4470 complies with the following specification: ASTM D2000 M2BG 714 B14 EA14 EF11 EF21 E014 E034 F17 Z1 where Z1 = Air Ageing 70 hrs @ 100°C
20X-XXX-4480	80 +/-5 IRHD	Based upon medium acrylonitrile-butadiene copolymer	Excellent resistance to mineral oil, mineral and lithium based greases, kerosene and many other chemicals.
20X-XXX-4490	90 +/-5 IRHD	Based upon acrylonitrile butadiene copolymer	Designed to give good resistance to mineral oil, mineral and lithium based greases, kerosene and many other chemicals.
20X-XXX-5575	75 +/-5 IRHD	Based on high nitrile elastomer	Exhibits excellent resistance to mineral oils, mineral and lithium based greases, kerosene and other hydrocarbon fuels.
20X-XXX-9775	75 +/-4 IRHD	Based on a fluorocarbon elastomer (FKM)	Excellent high temp performance, Low compression set over temp range. Excellent resistance to mineral oils, petrol and kerosene. Excellent resistance to oxidative and ozone atmosphere. Service temp range of -30 to +200°C

Bonded Seals

A reliable seal made up from an elastomeric ring bonded to a metal form, the metal resists the bursting forces and so limits any distortion of the elastomeric element. Prefix: 300 = Aerospace, 400 = Industrial

Compound	Hardness	Description	Properties	Specification
300-XXX-0967-XX	75 +/-4 Shore A	Based upon fluorocarbon elastomer (FKM)	Excellent resistance to mineral-based oils, hydrocarbon fuels and many aggressive solvents. 0967 will operate over a wide temperature range. Aero	AFSD 489C DTD900/4899
300-XXX-1911-XX	85-95 IRHD	Based upon medium acrylonitrile-butadiene copolymer	Exhibits excellent resistance to mineral oils, mineral and lithium based grease, some fuels, and many chemicals. Aerospace grade	DTD458A Grade B1
300-XXX-2261-XX	75-85 IRHD	Based upon medium acrylonitrile-butadiene copolymer (NBR)	It has been designed to be resistant to aviation hydraulic fluids such as AIR 3520/DTD 585/MIL-H-5606. Aerospace grade	NFL17 120A8
300-XXX-5615-XX	84-96 IRHD	Based on high acrylonitrile-butadiene copolymer (NBR)	Exhibits good resistance to oils and hydrocarbon fuels, especially aviation fuels. Aerospace grade	DTD 560 Grade A, Quality P
400-XXX-4490-XX	90 +/-5 IRHD	Based upon acrylonitrile butadiene copolymer	Designed to give good resistance to mineral oil, mineral and lithium based greases, kerosene and many other chemicals.	For Industrial applications

Washer	Material	Description & Application
-08	Stainless Steel Type 416	Aerospace / Industrial
-10	Brass	Aerospace / Industrial
-16	Light Alloy Anodised red	For identification purposes Light Alloy 16 (red is used with elastomer 5615)
-31	Stainless Steel	Low magnetism (Austenitic), Aerospace released material
-41	Mild Steel Zinc Plated	Zinc Plated to DEF STAN 03-20/1 Colour Passivated to DEF STAN 03-33
-74	Stainless Steel Type 316	Industrial

Engineering & Structural Adhesives

Araldite®
professional adhesives

Huntsman Advanced Materials is a leading supplier of synthetic and formulated polymer systems including Araldite Engineering and Structural Adhesives to provide superior bonding and casting solutions

Product	Description	Key Properties	Application
2011	2 part Epoxy adhesive	High strength paste (45,000mPas) tough, low shrinkage, long pot life, pale yellow	Multi Purpose Bonding
2012	2 part Epoxy adhesive	High Strength, tough, resilient, pale yellow, high viscosity, 30,000mPas, fast cure	Multi Purpose Bonding
2014-2	2 part Epoxy adhesive	Thixotropic, grey, gap filler to 5mm, non sagging, high temp & chemical resistance	High Temp Bonding
2015-1	2 part Epoxy adhesive	Thixotropic, beige, gap filler to 10mm, ideal for GRP, SMC & metals	SMC & GRP Bonding
2022-1	2 part Methacrylate adhesive	Pale yellow, bonds thermoplastics & metals, 60,000 mPas, fast cure, gap fill to 4mm	Multi Purpose Bonding
AV/HV1580	2 part Epoxy putty	Yellow & blue, gap filler, high strength, low CTE, can be filed sanded and machined	Multi Purpose Bonding
AV119-1	1 part Epoxy adhesive	Thixotropic. Bonds Ceramics, wood, chipboard, glass, metals, hard plastics.	Multi Purpose Bonding
AV138M-1	2 part Epoxy paste adhesive	Thixotropic, RT cure, High temp (<120), high chemical resistance, high strength, grey	High Temp Bonding
AW106	2 part Epoxy paste adhesive	Low shrinkage, long pot life, pale yellow, 38,000 mPas, use with 953 hardener	Multi Purpose Bonding
AY103-1	2 part Epoxy adhesive	High strength, transparent, low viscosity 3,500 mPas, long shelf life, use with hardener	Multi Purpose Bonding
AY105	2 part Epoxy adhesive	Pale brown, flowable 15,000 mPas, good chemical resistance, use with 953 hardener	Multi Purpose Bonding
CW1304GB	Epoxy Casting Resin	RT Cure or slightly HT, optimally filled, low CTE, good thermal & crack, use with HY5809	Casting
DW0131	White Pigment	White homogeneous colouring paste for Araldite epoxy resin casting systems	Pigment
DW0137	Black Pigment	Black homogeneous colouring paste for Araldite epoxy resin casting systems	Pigment
HV953 U	Epoxy Hardener	Pale yellow, Usually used with Araldite AW106 Resin	Hardener - Epoxy
HY951	Aradur Casting Hardener	Low visc, unfilled, RT cure, good mech strength, excellent electrical properties	Casting Resin Hardener
HY991	Epoxy Hardener	Usually used with Araldite AY103 & AY105 resins, transparent	Hardener - Epoxy
MY750	Epoxy Casting Resin	Casting & encapsulation of small low to med voltage components, chem & mech strgth	Casting
Rapid	2 part Epoxy adhesive	Fast (5mins) cure, for ceramics, wood, chipboard, glass, metals, plastics, pale yellow	Multi Purpose Bonding
XB3473	Amine Hardener	For composites, filament winding, Resin Transfer Moulding used with LY556	Hardener - Amine
XD4447	2 part Heat Cure Epoxy	Resin, medium viscosity, very long pot life, impregnating bonds use with XD4448	High Temp Bonding
XD4448	Epoxy Hardener	Hardener for heat cure to bond metals, ceramics, glass, & PTFE	Hardener - Epoxy



TECHSiL®
Adhesives | Silicones | Tapes | Seals | O-Rings

Chemical Products for the Electronics Industry

This range is specifically designed for electronics production and includes Adhesives, Potting Compounds, Coatings, Cleaners, Encapsulants, Greases and Solders



Product	Description	Key Properties	Application
8330	2-part Silver Extreme Conductive Epoxy, cold solder EMI/RFI shield, silver grey	1.60 W/m.K, 10m work time	Conductive Adhesive
8331	2-part Silver High Conductive Epoxy, cold solder EMI/RFI shield, silver grey	0.90 W/m.K, 10m work time	Conductive Adhesive
8329TCM	2-part Thermal Conductive Epoxy, medium cure, 1:1 mix ratio, dark grey	1.36 W/m.K, 45m work time	Conductive Adhesive
8329TCS	2-part Thermal Conductive Epoxy, slow cure, 1:1 mix ratio, dark grey	1.44 W/m.K, 4hr work time	Conductive Adhesive
8330S	2-part Silver Extreme Conductive Epoxy, slow cure, 1:1 mix ratio, silver grey	1.75 W/m.K, 4hr work time	Conductive Adhesive
8331S	2-part Silver High Conductivity Epoxy, slow cure, 1:1 mix ratio, silver grey	0.85 W/m.K, 4hr work time	Conductive Adhesive
846	Carbon Electrically Conductive Grease, safe on plastics	117 Ω/cm resistivity	Conductive Grease
847	Carbon Electrically Conductive, silicone free, non-bleeding, assembly paste	0.012S/cm cond, 82Ω/cm resistivity	Conductive Grease
8462	Translucent Dielectric Silicone Grease/Paste, non-melting over wide temp range	Service Temp -50°C to +250°C	Conductive Grease
8463	Silver Electrically & Thermally Conductive Grease/Paste, superior lubrication	Service Temp -50°C to +200°C	Conductive Grease
8464	Dissipative Anticorrosive Grease, Silicone free, safe on plastics	Service Temp -68°C to +165°C	Conductive Grease
8481	Premium Carbon Electrically Conductive Grease, silicone free, non-bleeding	160 Ω/com resistivity	Conductive Grease
4223	PU Conformal Coating, UL approved, high chemical resistance, transparent	Fluoresces with UV, < 60m cure time	Conformal Coating
419C	Acrylic Conformal Coating, UL approved, easy to rework, very fast cure, clear	Fluoresces with UV, < 30m cure time	Conformal Coating
419D	Premium Acrylic Conformal Coating, UL approved, easy to rework, fast cure, clear	Fluoresces with UV, 60m cure time	Conformal Coating
422B	Silicone Conf Coating for high temp (to 200°C), fast cure, UL approved, clear	Fluoresces with UV, 20m cure time	Conformal Coating
424-426 LF	Superwick for removal of lead free solders, environmentally and PCB safe residues	MIL-F-14256E RMA flux & J-STD-004	Desoldering Braids
424-426 NS	Superwick for removal of leaded solders, environmentally and PCB safe residues	MIL-F-14256F 'R' & ANSI/J-STD-004	Desoldering Braids
841AR	Super Shield Nickel Conductive Coating, UL approved, strong adhesion	Reduces EMI/RFI	EMI/RFI Shielding
415	Ferric Chloride Ready to use solution designed for etching printed circuit boards	Photoengraving Grade 42° Baume	Etching
835	Rosin Flux, Superior fluxing ability, excellent for prototyping & PCB rework/repair	Fast wetting, non-corrosive	Fluxes
8341	No Clean Flux Paste, designed for lead free alloys, thixotropic paste	Excellent wettability, non-conductive	Fluxes
832B	Black Potting Epoxy, extremely impact resistant, low toxicity	60min work time	Potting Epoxy
832C	Translucent Potting Epoxy, non-porous, water & chemical resistant	60min work time	Potting Epoxy
832HT	Black High Temp Potting Epoxy, extreme physical strength & chemical resistance	60min work time, 250°C max temp	Potting Epoxy
832TC	Black Thermally Conductive Epoxy, excellent thermal absorption & emission	0.68 W/m.K, 2hr work time	Potting Epoxy
832WC	Water Clear Epoxy, UV stable, excellent electrical insulation characteristics	60min work time	Potting Epoxy
834ATH	Black Flame Retardant Potting Epoxy, UL 94V-0 approved, protects electronics	2hr work time, 175°C max temp	Potting Epoxy
4910	Tip Tinner, repairs oxidized soldering tips for optimal performance	96.5% tin, 3% silver, 0.5% copper	Solder Sundries
4900	Sac 305 Lead Free Solder Paste, no clean, excellent wettability, low residues	217°C melting point	Solder Wire
Solder	Sn63/Pb37 Solder Wire, no clean & rosin activated available	183°C - 188°C melting point	Solder Wire
824	Isopropyl Alcohol, general purpose cleaner, safe on plastics	Zero residue, effective flux remover	Speciality Cleaners
8310	Conformal Coating Stripper, strips acrylics, polyurethanes, and silicones	Biodegradable, safe on metals	Speciality Cleaners
408A	Rubber Renee, restores tackiness, flexibility & elasticity	Rejuvenates old dry hard rubber	Speciality Cleaners
409B	Electrosolve Contact Cleaner, general purpose contact cleaner	Zero residue, safe on plastics	Speciality Cleaners
4226	Super Corona Dope, highly insulating coating, excellent arc and corona resistance	Tack free 10 min, 4100 V/mil	Speciality Coating
8327GF25	Two-component, flame retardant, thermally conductive silicone gap filler	2.5 W/m.K, UL94V-0, 1:1 Mix ratio	Thermal Gap Filler
8327GF41	Two-component, flame retardant, thermally conductive silicone gap filler	4.1 W/m.K, UL94V-0, 1:1 Mix ratio	Thermal Gap Filler
860	Heat Transfer Compound, silicone, electrically insulating, non corrosive	0.66W/m.K	Thermal Grease
8616	Super Thermal Grease II, extreme thermal conductivity, silicone free, non bleeding	1.8 W/m.K, -68 to +165°C serv temp	Thermal Grease
8617	Super Thermal Grease III, high thermal conductivity, silicone free, non bleeding	1.0 W/m.K, -68 to +165°C serv temp	Thermal Grease
8241	Isopropyl Alcohol Wipes, lint free, safe on plastics, food safe	70/30 Isopropyl blend	Wipes



Adhesives, Coatings, Encapsulants



Techsil supplies 3M™ range of Structural and Epoxy Adhesives these are our best sellers but other grades can be sourced

Product	Description	Key Properties	Application
Scotch 1617	Anti-corrosion protective coating in aerosol. Available in red, black, clear, grey	Rubber-asphalt base forms a dense, abrasion resistant covering, protects against moisture, spray salt water, impact resistant	Coating, Primer
Scotchcast™ 260 Resin	1-part, green heat curing resin	Tough, moisture and chemical resistant dielectric coating	Coating
Scotchcast™ Electrical Resin 265	1-part, general purpose, epoxy based, rapid cure, powder resin	60 sec cure time, Op temp to 180°C, good adhesion, thermal and electrical properties, Can be applied by trickle, spray or dip	Coating, Bonding
Scotchcast™ Electrical Resin 9	2-part brown resin, 1:1 mix ratio, low exotherm and good pot life	High adhesion, low stress, excellent thermal shock and mechanical shock resistance.	Potting, Coating, Encapsulating
Scotch-Weld™ DP190 Epoxy Adhesive	2-part low viscosity, epoxy adhesive	High shear and peel strength, tough, strong bonds, extended work life	Bonding
Scotch-Weld™ DP810	2-part acrylic adhesive, 1:1 mix ratio, toughened, low odour	Excellent shear & peel strength: good impact resistance	Bonding
Scotch-Weld™ EC 9323 B/A	2-part structural, epoxy adhesive, 1:2 mix ratio, duo pack cartridge. Suitable for aerospace applications	Black or White, thixotropic, non-sag, high shear & peel strength, High impact, environmental and chemical resistance	Bonding metals, glass, ceramics & plastics
Scotch-Weld™ Epoxy 2214 Regular & Hi-Density	1-part Aluminium-filled general purpose paste, Hi-Density version for dense, void-free bond	High strength, Rigid, Temp. range of -53°C to 121°C	Bonding metals, glass & high temp. plastics
Scotch-Weld™ Epoxy Adhesive DP110	2-part gen purpose, fast setting, flexible adhesive. 1:1 mix ratio	20 minutes room temp cure to handling strength, 8-13 minute work life, a good choice for bonding dissimilar surfaces.	Bonding metals, ceramics, woods and many plastics
Scotch-Weld™ Epoxy Adhesive EC-2216 B/A	A flexible, 2-part, room temperature curing epoxy. Available in Grey and Translucent	High peel and shear strength. Resistant to extreme shock, vibration and flexing. Certified for aircraft and aerospace applications.	Bonding metal, wood, plastics, masonry
Scotch-Weld™ Epoxy DP460	2-part Epoxy, high shear, peel, impact, vibration and fatigue resistance	Long work time, high & low operating temps, high viscosity	Bonding, Potting

Tapes

Techsil supplies a variety of products from the 3M™ industrial Tapes range, additional grades can be sourced

Product	Description	Key Properties	Application
3M™ 92 Polyimide Film Electrical Tape	1mil polyimide film backing, insulating tape with a silicone adhesive for exceptional heat resistance. Available in custom widths and lengths	Tough and thin, can withstand temps to 180°C It is used for applications which require printability and flame retardance acc. UL510.	Bonding - high temp electrical applications
3M™ Adh Transfer Tape 9473 VHB	Thin, double sided tape with high performance acrylic adhesive. Short term temp tolerance up to 260°C	Exceptional holding power and long-lasting adhesion for fast, strong results. Durable adhesive is chemical, UV and solvent resistant	Bonding Industrial joining and metal fabrication
3M™ Cross-Weave Tape 8959	Bi-Directional fibreglass reinforced high strength gen purpose tape with synthetic rubber resin adhesive Various widths available.	Transparent, heavy duty, cut and tear resistant, ideal for metalworking applications such as bundling, as well as cross web splicing and heavy box closure.	Bonding - heavy box closure, cross web splicing, strapping
3M™ Glass Cloth 361 Tape	0.16 mm thick general purpose tape, with pressure sensitive silicone adhesive, abrasion resistant backing	High adhesion, long ageing and clean removal. Can withstand minus 54°C and intermittent temps up to 288°C	Bonding high temp applications - Aerospace, automotive, military, roofing, specialty vehicle
3M™ Glass Cloth 5451 Tape	Glass cloth tape coated with a pressure sensitive silicone adhesive. Thick PTFE coating for an exceptionally smooth non-stick, low-friction surface	High temp. to 260°C. Increased tensile strength, flexible and conformable, able to wrap around rolling surfaces and in spiral patterns. Performs well in humid environments.	Bonding - used in processing machinery
3M™ High Temperature Aluminium Foil/Glass Cloth Tape 363	High temperature, heat reflective, protective tape for cables and heat sensitive components	Can be used in aerospace and industrial applications. Also comes in an easy-release film liner.	Bonding - Heat protection
3M™ Lead Foil Tape 420	Electrically and thermally conductive tape, with rubber adhesive and a rugged, durable backing	Resistant to flames, moisture, weather, UV degradation, and many chemicals. Can be die-cut into specific shapes and easily removed after use. Durable	Bonding
Scotch® Flatback 250 Masking Tape	A quality control paint adhesion testing tape, high peel adhesion and a strong flatback paper backing.	Has a pressure sensitive rubber adhesive that instantly adheres to a wide variety of surfaces. It detaches easily and provides clean removal	Bonding - Bundling and wrapping applications.



TECHSIL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

Greases & Lubricants

Brand	Product	Description & Properties	Application
ITW LPS®	Thermplex MP	Multi-purpose bearing grease (High temp version available HT)	Bearing Grease
ITW LPS®	LPS 1®	Greaseless lubricant formulated to penetrate tiny crevices	Lubricant
ITW LPS®	LPS 2®	Heavy duty, multi-purpose lubricant with non-drying film	Lubricant
ITW LPS®	LPS LST	High performance penetrant designed with low surface tension	Penetrant
ITW LPS®	LPS Force 842°	Dry Moly Lube, Works in high temps 450°C & pressure 100,000 psi	Lubricant
LOCTITE®	LB 8104	Packaging grease authorised for use in food industry	FDA Grease
LOCTITE®	LB 8009	Heavy duty anti-seize lubrication grey paste	Lubricant
LOCTITE®	LB 8023	Heavy duty anti-seize lubrication paste for marine applications	Lubricant
LOCTITE®	LB 8150	Non-curing high temperature lubricant	Lubricant
MG Chemicals	8462-85	Non-melting, lubricating dielectric grease up to 250C, 85ml	Silicone Grease
MG Chemicals	846-80	Carbon grease, electrically conductive, 80g tube	Carbon Grease
Novagard	G351	Silicone grease for closed systems	Silicone Grease
Novagard	G661	Gen purpose silicone lubricant & sealant, FDA approved	Silicone Grease
Novagard	G662	Gen purpose silicone lubricant & sealant	Silicone Grease
Sprayon	LU711	Ultra thin, translucent all purpose spray lubricant	Lubricant
Sprayon	LU709	High performance non oily, non staining dry lubricant	Lubricant
ThreeBond	TB900002	Silicone grease lubricant, protector from dirt & dust	Lubricant

Heat Transfer Compounds

Brand	Product	Description & Properties	Application
Techsil	HTC	Non silicone heat transfer compound	Thermal Management
Novagard	G641	Heat transfer compound, silicone grease	Thermal Management
Techsil	1084G	1 Part high thermally conductive adhesive, 2.3 W/mK	Thermal Management
MG Chemicals	860-60G	Low thermal resistant silicone heat transfer compound	Thermal Management

Cleaners

Brand	Product	Description & Properties	Application
Techsil	Pronatur	1l, 5l, Orange solvent cleaner & degreaser	Cleaner
Techsil	Resin Stripper	5l, solvented Epoxy Digester	Cleaner
Techsil	Silstrip	1l, 5l, & 25l Silicone Digester	Cleaner
ThreeBond	TB3911D	Non chlorine gasket remover	Cleaner
ITW LPS®	Precision Clean	Multi-purpose water based concentrate cleaner/degreaser	Cleaner
ITW LPS®	Presolve	High performance industrial orange degreaser supplied in aerosol	Cleaner
ITW LPS®	CFC	Fast evaporating CFC free electro contact low odour cleaner	Cleaner
ITW LPS®	ZeroTri	Heavy duty degreaser supplied in aerosol. NSF® Certified	Degreaser

Release Agents

Brand	Product	Description & Properties	Application
Techsil	Tec 6088A	General purpose release agent, Vaseline basis, aerosol 330ml	Release agent
Techsil	Techsil 6098L	Solvent based for moulded urethanes & foams 400ml aerosol	Release agent
Chemlease	Release Extra	500ml aerosol, general purpose for rubber & plastic moulds	Release agent
Chemlease	PMR90	High gloss mould release for polyester & composite moulds 4.35Kg	Release agent
Chemlease	MPP712 EZ	Sealer for FRP, composite, epoxy and most metal tools 930g	Release agent
LOCTITE®	Frekote 700NC	All-purpose release for epoxies, thermoplastics & moulded polymers	Release agent



Pigments & Inks

Techsil offer a full range of liquid pigments, available for either Polyurethane/Resins or Silicones. Contact our Team for more details on available shades.

Dispensing Equipment, Guns & Nozzles

We supply automated dispensing machines from Nordson EFD and the consumables that go with them, all of the highest quality and precision engineered.



Product	Description	Key Properties	Application
7012339	Optimum® 10cc 3ft Adapter Assemblies	Blue 0.9m Hose	Barrel Adapters
7012126	Optimum® 10cc Amber Barrel & White Piston	Pack of 30	Barrel Kit
7012198	Optimum® 30cc Blue Syringe Tip Cap	Twist on cap to seal nozzle	Cap
7012194	Optimum® 10cc Blue End Cap	Pack of 30	End Cap
7703127	Nordson 30cc/35cc Gun Kit	30cc/35cc	Gun Kit
7012141	30cc Syringe Kit	barrel, piston, tip, end cap	Kit
7012157	55cc Syringe Kit	barrel, piston, tip, end cap	Kit
7021013	725DA Repair Kit	Piston Valves	Kit
7029551	Optimum® 30cc Clear Flexible Piston	Reduces bouncing viscous fluids	Piston
7703180/7703127	Nordson 30cc/35cc Syringe Gun	30cc/35cc	Syringe Gun
7005009	Optimum® Smoothflow™ Pink Tapered Tip	ID 0.58mm, PP, Gauge 20	Tip
7018032	Optimum® Precision Tip 1" Olive, stainless steel	ID 1.54mm, SS, Gauge 14	Tip
7018052	Optimum® Smoothflow™ Olive Tapered Tip	ID 1.60mm, PP, Gauge 14	Tip
7018110	Optimum® Precision Tip 1" Green, stainless steel	ID 0.84mm, SS, Gauge 18	Tip
7018147	Optimum® Smoothflow™ Green Tapered Tip	ID 0.8mm, PP, Gauge 18	Tip
7018159	Optimum® Smoothflow™ Green Tapered Tip	ID 0.8mm, PP, Gauge 18	Tip
7018233	Optimum® Precision Tip 1" Purple, stainless steel	ID 0.51mm, SS, Gauge 21	Tip
7018433	Optimum® Precision Tip 1" Lavender, stainless steel	ID 0.15mm, SS, Gauge 30	Tip
7018462	Optimum® Precision Tip 1" Yellow, stainless steel	ID 0.10mm, SS, Gauge 32	Tip

Under the Techsil Brand we supply a wide range of hand held dispensing guns and mixing nozzles



Product	Description	Key Properties	Application
Techkit	Two component liquids in single injection cartridge	Odd ratio in 1K cartridge	Dispensing
TEAE05010	310ml Winchester cartridge dispensing gun	Pneumatic	Dispensing gun
TEAE05164	200ml manual gun 1:1 & 2:1 ratios	Epoxy, PU & Silicone	Dispensing gun
TEAE05167	200ml manual gun 10:1 ratio	Epoxy, PU & Silicone	Dispensing gun
TEAE05168	400ml manual dispensing gun 1:1 ratio	Epoxy, PU & Silicone	Dispensing gun
TEAE05170	400ml manual dispensing gun 10:1 ratio	Epoxy, PU & Silicone	Dispensing gun
TEAE05180	400ml 10:1 ratio pneumatic dispensing gun	Pneumatic	Dispensing gun
TEAE05503	50ml manual gun 1:1 ratio	Epoxy, PU & Silicone	Dispensing gun
MA6317-S	Static mixing nozzle for 2 part materials	White 50ml 1:1 ratio 15cm long	Mixing Nozzle
MA6321-S	Static mixing nozzle for 2 part materials	White 50ml 1:1 ratio 13cm long	Mixing Nozzle
MC0624	Static mixing nozzle for 2 part materials	White 6mm dia 24 elements	Mixing Nozzle
MCX0824	Static mixing nozzle for 2 part materials	Orange 8mm dia 24 elements	Mixing Nozzle
MCX1018	Static mixing nozzle for 2 part materials	Orange 10mm dia 18 elements	Mixing Nozzle
MCX1024	Static mixing nozzle for 2 part materials	Orange 10mm dia 24 elements	Mixing Nozzle
MS0502	Static mixing nozzle for 2 part materials	Yellow 5mm dia 32 elements	Mixing Nozzle



TECHSIL[®]
Adhesives | Silicones | Tapes | Seals | O-Rings

MOMENTIVE™

panacol
adhesives & more

honle
uv technology

LOCTITE

ThreeBond

HYLOMAR

power
adhesives

STOKVIS TAPES

SCIGRIP
SMARTER
ADHESIVE
SOLUTIONS

Permabond
Engineering Adhesives

BJB
ENTERPRISES

TRELLEBORG

Araldite
professional adhesives

MG Chemicals

3M

NOVAGARD
Solutions

LPS

Sprayon

**Chem
Trend**
Release Innovation™

Nordson
EFD

TECHSIL®

Adhesives | Silicones | Tapes | Seals | O-Rings

Techsil Limited
34 Bidavon Industrial Estate
Waterloo Road, Bidford-on-Avon
Warwickshire, B50 4JN, UK

T: +44 (0)1789 773232
F: +44 (0)1789 774239

W: www.techsil.co.uk
E: sales@techsil.co.uk
Registered in England : 2447014

Technically the Best