INTRODUCTION

We thank you for your interest in our range of products and services and hope that you find this catalogue helpful.

We have tried to list as much relevant information as possible, but should you find that your particular requirements are not listed, then please contact our sales office who will be pleased to help.

This catalogue is one of a set and should you require others in the series, please do not hesitate to call.

Whilst every effort is made to ensure that the information is accurate and correct, the conditions under which Portmere Rubber products are used are beyond our control and therefore our recommendations are made without warranty or guarantee. Portmere Rubber reserve the right to change specifications without prior notice.

We shall be pleased to accept your enquiry or order, whether large or small. Orders over any distance will be met from our two factories in the south of England.

As **Alpha Adhesives** (Ex Dunlop) constantly review their product range, please check product availability.

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FLAMMABLE SOLVENT BASED ADHESIVES

SECTION 1

Portmere Rubber Ltd
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L 107 UPHOLSTERY SOLUTION 3-1-1

Description: A buff coloured natural rubber solution of high viscosity, which conforms to Government Specification DEF STAN 80-86/2

Applications: Alpha (Ex Dunlop) L107 is a multi-purpose upholstery solution which has been developed for the automotive, coachbuilding and foam building industries. Strong bonds are obtained between such materials as latex foam, polyether. Polyester foam, rep cloth, upholstery fabrics, felt, scrim and leather. These materials may be bonded to wood, hardboard and foam-rubber laminations.

Alpha (Ex Dunlop) L107is ideal for fixing package trays, glove boxes, door trim and for priming head lining materials, also for seat manufacture, sound deadening materials, latex form building and as a general pre-stitching adhesive.

Container Size: 5 litre
1 litre (12 per case)
1/2 litre (24 per case

Additional Information: Manufactures data sheet available. This includes the method of application. For bonding advice see section 8

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3-1-2 S 520 MULTI - PURPOSE BLACK CEMENT

Description: A heavy black solution of brushing viscosity.

Applications: Alpha (ex Dunlop) S 520 quickly forms tenacious bonds which are waterproof and resistant to fungoid and micro-biological attack.

This material has been specially formulated and manufactured under close technical supervision to comply with the requirements of Government Specification DEF 80-57/1. In this capacity it has been widely used for Ministry of Supply Contracts and Sub-Contracts.

S 520 has found numerous applications involving the bonding of rubber, canvas, leathercloth, anti-drumming pads and felts to themselves or to bases of hardboard, wood and metal. It also has many other industrial and household uses, the principal of which is as a flooring adhesive for fixing rubber and linoleum tiles and sheeting to wood, stone or concrete sub-floors.

A white adhesive, which complies with Government DEF 80-57/1, is also available. This is Alpha (Ex Dunlop) S888 Multi - Purpose White Adhesive.

Properties:

Total Solids	59 +/- 2%
Viscosity	Heavy Syrup
Specific Gravity	0.97
Flash Point	-40 ^{o}c
Coverage	1.5-2 square metres of bonded material (6-9 Square metres per gallon)
Open Joint Time	10 minutes minimum 30 minutes maximum
Thinner/Cleaner	T 160 Solvent

Container Size: 5 litre
1 litre (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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S 758MG GENERAL PURPOSE TRIM ADHESIVE 3-1-3

Description: Alpha (Ex Dunlop) S 758MG is a heavy, golden brown solution of brushing viscosity.

Applications: S 758MG has been developed as a general purpose trim adhesive. It forms strong, permanent contact bonds between the following materials:- rigid PVC sheet, polyurethane foams of the polyester and polyether types, supported PVC leather-cloth, leather, polyester glass fibre, rubber sheet and extrusions all of which may be bonded to each other or to hardboard, chipboard, wood, painted or unpainted metal.

Typical body trim and coach building operations include door and facia trim, roof headlinings, parceltracks and glove compartments.

Properties:

Total Solids	31 +/- 1%
Viscosity	11000 ? 1000 cps
Specific Gravity	0.88
Flash Point	-40^{o}c
Coverage	3-4 square metres of bonded material per litre (14 - 19 square metres per gallon)
Minimum Open Joint Time	1 - 10 minutes minimum. Depending on absorbency of material 15 minutes maximum
Thinner/Cleaner	T559
Reactivator	T559

Container Size: 5 litre
1 litre (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-1-4 ALPHA (EX DUNLOP) ACRYLIC SEALER S 1718 CLEAR DRYING WATERPROOF SEALER

Description: Alpha (Ex Dunlop) Acrylic Sealer S 1718 is a one - part compound formulated from Acrylic. Polymers in hydrocarbon solvents, which cure rapidly to form a flexible, waterproof seal.

Applications: Alpha (Ex Dunlop) Acrylic Sealer has excellent adhesion to a wide variety of substrates and provides a fast curing, flexible seal. Supplied in a 150ml tube with separate application nozzle, it can be applied directly to the most inaccessible areas. S 1718 will not crack, sag or slump and being clear will match the surface tint where it is applied. If required, S 1718 can be over painted. It is chemically resistant to dilute acids, dilute alkalis and other chemicals associated with the Automotive Industry, such as lubricating oils and antifreeze. Ideal for sealing and waterproofing in automotive body seams, drip rails and flange joints.

Properties:

Colour	Clear
Consistency	Colourless gel
Typical Specific Gravity	0.913 kg/litre
Solids Content	52% minimum
Flash point	4^{o}c
Storage Life	Min. 6 months stored in original containers
Storage Temperature	4-21^{o}c
Service Life	In excess of 10 years if applied in accordance with manufacturers instructions.
Application temperature	5-35^{o}c
Chemical Resistance	T559

Container Size: 150ml tubes with separate nozzle and key

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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S 1358 HIGH HEAT RESISTANT GENERAL PURPOSE CONTACT ADHESIVE 3-1-5

Description: A light brown solution of brushable viscosity which produces bonds with excellent heat resistance.

Applications: Alpha (Ex Dunlop) S 1358 forms strong, permanent contact bonds with excellent heat resistance between the following materials - rigid PVC sheet, polyurethane foams of the polyester and polyether types, good quality supported PVC leathercloth, leather, polyester glass fibre, rubber sheet and extrusions, painted or unpainted metal. Rigid laminated plastics, such as Formica, Warerite, Melamine etc., may also be fixed with this adhesive.

Properties:

Total Solids	30%
Viscosity	5500 - 6500 cps
Specific Gravity	0.88
Flash Point	-40^{o}c
Coverage	3 - 4 square metre of bonded material per litre (14 - 17 square metres per gallon)
Open Joint Time	7 minutes minimum 20 minutes maximum
Heat Resistance	Excellent
Thinner / Cleaner	T559

Container Size: 5 litre
I litre (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-1-6 S 1588 NITRILE ADHESIVE

Description: A water white solution of medium viscosity

Applications: Alpha (Ex Dunlop) S 1588 has been specifically developed for bonding soft, plasticised PVC polyurethane materials to themselves or to metals.

It can also be used as a general purpose adhesive for bonding wood, felt and many other substances.

The adhesive film has very good resistance to oil and grease.

Properties:

Total Solids	25 +/- 1%
Viscosity	4500-5500 cps
Specific Gravity	0.85
Coverage	1.5 - 2.5 square metres of bonded material per litre (6.5 - 10.5 square metres per gallon)
Open Joint Time	1 minute minimum 10 minutes maximum
Cleaner	T559
Reactivator	T162

Container Size: 5 litre

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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S 2000 3-1-7
HIGH PERFORMANCE BONDING SYSTEM

Description: Alpha (Ex Dunlop) S 2000 is a general purpose, two part polychloroprene based adhesive specifically formulated to give good adhesion to a variety of natural and synthetic rubber surfaces, used in the manufacture of inflatable life rafts, general rubber goods and numerous industrial applications.

Applications: Alpha (Ex Dunlop) S 2000 being resistant to salt water, atmospheric oxidation, oil, specified chemicals, aviation fuels, mild acids and alkalis make it ideal for bonding rubbers used in the manufacture of life rafts, inflatable life jackets, diving suits, etc. and when used in conjunction with S 2002 Primer the adhesive can be used for bonding rubber to metal in tank linings etc.

Specification Compliance: British Standard approval for use on 'C' Craft Inflatable Boats.
Department of Trade and Industry for use on B.O.T.I Craft.
MoD (Admiralty) for use on Gemini Inflatable Boats.

Properties:

Part A

Base	Polychloroprene
Colour	Off white
Total Solids	25% +/- 1%
Viscosity	Brookfield speed 20, Spindle 3, 1800 +/- 200 cps
Specific Gravity	0.89 kg/litre
Flash Point	-12°c
Cleaner	T559

Part B

Composition	Non volatile isocyanate in Ethyl Acetate
Colour	Light brown/amber
total Solids	27% +/- 1%
Flash Point	-5°c
Specific Gravity	1.00 kg/litre

Mixed Adhesive

Mix Ratio	100 parts part A:6 parts Part B by weight-mix well
Total Solids	25% +/- 1%
Open Joint Time	Minimum 5 minutes Maximum 25 Minutes
Method of Application	Brush on roller coater
Cleaner	T559
Pot of life	4 hours at 20°c

Container Size: 5 litre 1 litre (12 per case) 1/4 litre (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice see section 8.

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3-1-8 S2002

Description: Alpha (Ex Dunlop) S 2002 is a neoprene based metal primer for use with S 2000 A and B. This primer ensures a good bond on metal.

Properties:

Total Solids	30 +/- 1.5 %
Viscosity	1200 +/- 200 cps
Typical Specific Gravity	0.984

Container Size: 5 litre
1 litre

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SN 1501 T EASY SPRAY ADHESIVE 3-1-9

Description: Alpha (Ex Dunlop) SN 1501 t Easy Spray Adhesive is an exceptionally versatile adhesive suitable for application by low pressure, conventional and airless spray system. The product is based on a blend of synthetic polymers and resins in non-flammable solvents and is intended for use in the furniture, upholstery and foam conversion industries. Flammable and flame retardant films are also available on request.

Applications: Alpha (Ex Dunlop) SN 1501 T adhesives 's unique combination of aggressive tack, fast bond development and high bond strength coupled with economical cost provide a modern and safe method of bonding non-structural components.

It is ideal for the permanent bonding of all flexible foams to either themselves or to typical furniture materials such as painted metal, chipboard, hardboard, fibreglass and other types of wood. It is equally suitable for the attachment of furnishing fabrics including backed PVC and backing materials such as hessian, felt and upholstery padding. Bonds made with SN 1501 T are permanent and secure when exposed to the temperature and ageing conditions likely to be found in service.

Properties:

Total Solids	24 +/- 1%
Viscosity	150 - 250 cps
Typical Specific Gravity	1.209
Flash Point	Non-Flammable
Coverage	Up to 11 square metres of bonded material per litre (52 Square metres per gallon)
Open Joint Time	Immediate bond - 10 minutes maximum
Cleaner	TN1090

Container Size: 370g Aerosol

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-1-10 SN 1634 ALPHA (EX DUNLOP) TRIMSPRAY

Description: Alpha (Ex Dunlop) Trimspray is a multi-purpose, high tack aerosol adhesive. Specially formulated for use in the automotive industry, it is based on synthetic rubber in hydrocarbon solvents.

Applications: Alpha (Ex Dunlop) Trimspray is easy and clean to use, the adjustable nozzle allows complete control over the spray pattern to enable accurate application over large areas very quickly. The open joint time is from 30 seconds to 30 minutes giving total flexibility in use. Trimspray exhibits high heat resistance to a maximum of 70°c so it is ideal for both large and small jobs inside motor vehicles. Once coated the surfaces to be bonded can be brought together almost immediately and firm pressure consolidates the bond. In such areas as seat build up and re-upholstery the added advantage is that a soft bond line can easily be achieved. The cured adhesive also has the benefit of being non-flammable. Typical applications include bonding of headlinings, latex and plastic foams, hessian, carpet and leather to themselves or to metal, wood and hardboard. Bonding of other fabrics and insulation materials including paper and hardboard

NB: Trimspray is not recommended for bonding polystyrene foam or unsupported PVC.

Properties:

Consistency	Pale Amber Liquid
Typical Specific Gravity	1.2 kg/litre
Solids Content	19%
Open Joint Time	0.5 - 30 minutes
Adhesion	Excellent
Light Stability	Good resistance to UV light
Chemical Resistance	Excellent resistance to dilute acids, dilute alkalis and other chemicals associated with the automotive industry.
Solubility in Water	Insoluble
Storage Temperature	4°c - 21°c
Service Temperature	-10°c to + 70°c
Storage Life	6 months if stored in original containers in cool dry conditions.

Container Size: 380g Aerosol

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SN 1554T HIGH PERFORMANCE SPRAYABLE ADHESIVE

3-1-11

Description: Alpha (Ex Dunlop) SN 1554T is a powerful non-flammable general purpose adhesive, having high heat resistance, available in clear or red.

Applications: SN 1554T has been developed to be applied with spray systems. The high performance of the finished bond makes it suitable for use in a wide range of applications, particularly in the Building and Furniture industries.

SN 1554T has excellent spraying characteristics. The finished bond exhibits high strength and high heat resistance.

Uses in the Building Industry

Bonding a wide range of materials including Asbestolux, Plywood, Chipboard, rigid Polyurethane and PVC foam, laminated plastics, copper and aluminium foils, viteous enamelled metal paints and other painted surfaces. It is ideally suited for use in the manufacture of Curtain Wall laminated insulation on infill panels.

Uses in the Furniture Industry

Bonding laminated plastic veneers, such as Formica, Arborite and Perstop, etc., to a wide variety of core materials. Bonding foam cushioning to moulded chair shells and settees SN 1554T will withstand the heavy bullnozing required for edge finishing. SN 1554T will adhere to most shell materials including rigid polyurethane, plywood, fibreboard, polyester mouldings and hessian covered expanded polystyrene.

Properties:

Total Solids	16.5 +/- 1%
Viscosity (at make)	520 - 600cps
Typical Specific Gravity	1.27
Flash Point	Non-flammable
Coverage	5-9 square metres of bonded material per litre (24-40 square metres per gallon)
Minimum Open Joint Time	30 seconds
Maximum Open Joint Time	10 minutes
Heat Resistance	Excellent
Cleaner	TN 1239

Container Size: 5 litre
25 litre

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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NON FLAMMABLE SOLVENT BASED ADHESIVES

SECTION 2

Portmere Rubber Ltd **Tel: +44 (023) 8022 3628**
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SN 1234 & SN 1249 3-2-1
NON-FLAMMABLE FOAM BUILDING ADHESIVES

Description: SN 1234 and SN 1249 are light coloured, translucent, high viscosity adhesives in non-flammable solvents. SN 1234 is hand applied with a serrated spatula or scraper. SN 1249 was developed for application by roller coating machines or pressure -fed flow guns.

Applications: SN 1234 and SN 1249 were developed to meet the demanding requirements of the Foam Fabricating and Conversion Industries for bonding polyether, polyester, polyurethane and latex foams.

The adhesive exhibits aggressive tack properties, high green strength and rapid development of foam and tearing bonds making them ideal for foam fabrication. The products dry to a clear film which is soft, flexible, non-staining and non-pinking.

Properties:

	SN 1234	SN 1249
Total Solids	27% +/- 1%	25% +/- 1%
Viscosity	18000	2200-2700cps
Specific Gravity	1.21	0.86
Minimum Open Joint Time		
Foam only under slight tension	(one way stick)	Instantaneous
	(two way stick)	30 seconds
Foam under considerable tension	(two way stick)	5 minutes
Maximum Open Joint Time	(one way stick)	2 minutes
	(two way stick)	30 minutes
Thinner/Cleaner	TN 1090	TN1090

Container Size: 5 litre
1 litre (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-2-2 SN 1314 NON-FLAMMABLE MULTI - PURPOSE ADHESIVE

Description: A heavy golden brown, non-flammable solution of brushing viscosity.

Applications: Alpha (Ex Dunlop) SN 1314 has been developed as a multi-purpose adhesive. It forms strong, permanent contact bonds between the following materials - rigid PVC sheet, polyurethane foams of the polyester and polyether types, supported PVC leathercloth, leather, polyester glass fibre, rubber sheet and extrusions all of which may be bonded to each other or to hardboard, chipboard, wood, painted or unpainted metal. Rigid laminated plastics such as Formica, Warerite, Melamine, etc., may also be fixed with this adhesive.

The product is well established in the automotive and coach building industries as multi-purpose body trim adhesive. Typical body trim and coach building operations to which SN 1314 is suited, include door and facia trim, roof headlinings, parcel racks and glove compartments.

SN 1314 has also provided its versatility in the shop-fitting and bar-fitting trades and in the boat building, furniture and footwear industries, where it is widely used as a multi-purpose adhesive. SN 1314 show excellent ageing resistance.

Properties:

Total Solids	18 +/- 1%
Viscosity	3500-4500cps
Specific Gravity	1.26
Flash Point	Non-flammable
Coverage	3-4 square metres of bonded material per litre.
Open Joint Time	2 minutes-minimum 25 minutes-maximum
Cleaner	TN 1239

Container Size: 5 litre
1 litre (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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PVA & LATEX ADHESIVES

SECTION 3

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ALPHA EXTRA STRONG WATER RESISTANT WOOD GLUE 3-3-1

Description: Alpha (Ex Dunlop) Extra Strong Water Resistant Wood Glue has been developed for use with soft and hard woods, plywoods, chipboards, melamine, laminates and wood veneers. This polyvinylacetate adhesive gives excellent application and setting properties. Suitable for both internal and external use. Dunlop Water Resistant Wood Glue is not recommended for boat building.

This product gives high strength bonds - higher than the wood itself!! Full bond strength is reached after 24 hours. A ready-mixed, clear drying adhesive that is approved to BS 4071.

Properties:

Colour	Wet Adhesive - White Dry Adhesive - Translucent
Consistency	Free flowing creamy liquid
Composition	Polyvinylacetate synthetic resin
Solids Content	48% (approximately)
Volatile	Water Based
Density	1.1gms/cm^3
Storage	Although it is freeze-thaw stable preferably store within the temperature range of 5^{o}c - 20^{o}c

Container Size: 1 litre (10 per case)
5 litre (3 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-3-2 AL 330
PREVULCANISED LATEX

Description: AL 330 is a prevulcanised latex producing films of very high clarity. A modified version of AL 330 containing a specialised antioxidant is available as AL1121. This product is used in the production of medical products including Catheters.

Applications: Al 330 has been developed for use in latex dipping processes. It has a low viscosity to facilitate a smooth uniform dip, and form a transparent latex film.

Alpha (Ex Dunlop) AL 330 is particularly useful for the production of goods in which a high degree of transparency is required, e.g. teats, soothers and various surgical applications. It is also used as basis for balloon and glove formulations.

Properties:

Total Solids	61 +/- 1%
Viscosity	100 - 200cps
Specific Gravity	0.95
Alkalinity	0.4-0.5
Tensile Strength	27.17 Mpa
Modules at 300%	0.88 Mpa
Modules at 700%	6.9 Mpa
Elongation at break	900%

Container Size: 5 litre (3 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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AL 800 3-3-3
PREVULCANISED LATEX COMPOUND

Description: AL 800 is a pre-vulcanised latex of moderately high viscosity.

Applications: This product has been developed for use in the production of latex rubber mouldings from plaster cast models made from any good grade of plaster of paris.

AL 800 is sensitised to allow a rapid build-up of latex on the plaster cast in one dipping cycle. No coagulant is required to set the latex which is easily stripped from the casting after drying with no risk of splitting.

Properties:

Total Solids	56 +/- 1%
Viscosity	210 +/- 20 cps
Specific Gravity	0.96

Container Size: 5 litre (3 per case)
25 litre

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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THINNERS AND CLEANERS

SECTION 4

ALPHA (EX DUNLOP) T 160 PETROLEUM SPIRIT
Highly Flammable (Flash Point -12°c)

An aliphatic hydrocarbon solvent suitable for use as a cleaner for a variety of surfaces prior to the application of adhesive. Also suitable for cleaning up excess adhesive and accidental spillages.

ALPHA (EX DUNLOP) T 161 METHYL ETHYL KETONE
Highly Flammable (Flash Point -7°c)

A powerful Ketone solvent suitable as a thinner and cleaner for P.V.C., nitrile and polyurethane solutions. T 161 can also be used as a solvent weld medium for unplasticised P.V.C. waterpipes and gutterings.

ALPHA (EX DUNLOP) T 162 ACETONE
Highly Flammable (Flash Point -17°c)

A Ketone solvent widely used as a thinner/cleaner for P.V.C., nitrile and polyurethane solutions and as a cleaner for Styrene Butadiene (S.B.R.) solutions. T 162 has similar properties to T 161 but "dries off" much more rapidly.

ALPHA (EX DUNLOP) T 559 TOLUENE
Highly Flammable (Flash Point +4°c)

A very powerful aromatic hydrocarbon solvent which acts as a thinner for polychlorprne solutions and as a cleaner for most types of industrial adhesives. T559 is a highly versatile solvent used extensively for cleaning and degreasing rubber, metal, G.R.P. and most other surfaces prior to application of adhesives and surface coatings.

ALPHA (EX DUNLOP) T 1575 WHITESPIRIT
Flammable (Flash Point +38°c)

A versatile low cost hydrocarbon solvent which finds extensive use in car trimming applications. T 1575 is ideal for the removal of oil and grease stains and traces of wax and bitument from painted surfaces. Also an excellent cleaner for a wide range of adhesive products.

ALPHA (EX DUNLOP) T 1705 PVC WIPE
Highly Flammable (Flash Point -14°c)

A very powerful ketone mixture which is widely used in the footwear industry as a wipe on PVC and Polyurethane upper and soiling materials prior to application of sole-attaching adhesive.

T 1705 includes a fluorescing agent which is readily detected under Ultra Violet light, thus allowing inspection of prepared units to ensure adequate wiping has taken place.

3-4-2

ALPHA (EX DUNLOP) TN 1090 CHLORINATED HYDROCARBON
Non Flammable

A non flammable solvent which is used extensively as a thinner and cleaner for a wide range of adhesives and solutions. TN 1090 also has excellent degreasing properties and is ideal for cleaning industry machinery of all types.

ALPHA (EX DUNLOP) TN 1239 CHLORINATED HYDROCARBON
Non Flammable

A non flammable solvent TN 1239 has very similar chemical properties to T 1090 but is favoured in certain applications as its more rapid evaporation rate enables faster processing.

Container Size: 2 1/2 litre
5 litre

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GENERAL PURPOSE ADHESIVES

SECTION 5

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ALPHA (EX DUNLOP) POWERFIX ADHESIVE 3-5-1
NON FLAM SOLVENTLESS CONTACT ADHESIVE

Description: Alpha Powerfix is a non flammable contact adhesive based on polychloroprene latex. It is a white non-drip liquid for application by brush or spreader. Alpha Powerfix has been developed especially to make high strength, permanent bonds without any of the risks usually associated with traditional solvent based adhesives.

Applications: Alpha Powerfix is a high performance adhesive and gives strong bonds between a wide range of substrates, including:- leather, wood, formica, canvas paper, cardboard, polystyrene, cork, foam, rubber and fibreglass. Its features are,

* Alpha Powerfix is totally solvent free, eliminating air conditioning hazards and the need for expensive extraction equipment. It is totally non-flammable and has no fire risks which means it has no storage quantity limitations - cuts down insurance costs.
* Alpha Powerfix has a built in bond indicator-when the white adhesive goes clear a bond is ready to be made.
* Alpha Powerfix has a long open joint time-bonds can be made immediately the white adhesive goes clear, or if required can be bonded up to 5 days later, providing the substrates are kept clean.
* Alpha Powerfix is non-drip and non-stinging and has double the coverage of most contact adhesives (up to 80m^2 per litre bonded area can be achieved).
* Alpha Powerfix is easy to use. Once Powerfix has been applied the substrates can be moved around till they are in the right position. A bond will only be made when pressure is applied.

Properties:

Colour	White
Polymer Type	Polychloroprene
Total Solids	42 +/- 1%
Viscosity (at make)	10000 - 12000 cps
Typical Specific Gravity	1.07
Coverage	8m^2 per litre

Container Size:
120ml (12 per case)
1/4 litre (12 per case)
1/2 litre (12 per case)
5 litre

Additional Information: Manufactures data sheet available. This includes the method of application. For bonding advice see section 8

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3-5-2 ALPHA (EX DUNLOP) THIXOFIX

Description: Alpha Thixofix Contact Adhesive has been developed for the specific aim of making simple the bonding of laminated plastics to wood and other substrates whilst maintaining the well proven efficiency of ordinary contact adhesives.

Applications: Alpha Thixofix was primarily manufactured for bonding laminated plastics, (Formica, Wareite, Arborite, Armaboard, Pirelli, Perstorp, etc.), to wood, hardboard, chipboard, etc.
Thixofix is a very versatile adhesive and will bond laminated plastics, rigid PVC, cork rubber, leather, fabrics, wood, painted and un-painted metal, hardboard, plaster, plasterboard, chipboard, etc.
The following application characteristics of Thixofix make this product simple to use.

* Thixofix is Thixotropic. It is a gel, similar to non-drip paint, so it spreads like butter. It does not spill and cuts out the mess normally associated with ordinary contact adhesives.
* When bonding normal sized sheets of laminated plastics, the unique "slideability" of Thixofix allows the accurate positioning of materials. Even large sheets of laminate can be positioned more easily.
* A free plastic spreader is supplied with each purchase.

Properties:

Coverage per litre	Enough to bond 140-150 square feet on non-porous materials. Coverage reduces on absorbent surfaces.
Specific Gravity	0.87
Flash Point	-5^{o}c
Minimum Open Joint Time	Normal. 10-15 minutes depending on temperature and absorbency of materials. Do not bond until both surfaces are "touch dry".
Maximum Open Joint Time	25 minutes depending on temperature conditions and absorbency of materials to be bonded.
Cleaner	Alpha Clean-Up
Storage	Alpha Thixofix will keep for at least six months in well sealed containers, but this product should not be stored at low temperature. 4-21^{o}c (40-70^{o}F) is the ideal storage temperature.

Container Size:

40ml tube (24 per case)	1 litre (12 per case)
1/4 litre (12 per case)	2 1/2 litre
1/2 litre (12 per case)	5 litre

Additional Information:

Manufactures data sheet available. This includes the method of application.
For bonding advice see section 8

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S 708 & S 758 MULTI - PURPOSE ADHESIVES 3-5-3

Description:

Both products are heavy, golden brown solutions of brushing viscosity. As S 708 has a lower viscosity than S 758 it has a slightly longer open joint time. A black version of S 708 is also available, coded S 1240. SN 1314 is a non-flammable version of S 758.

Applications:

Alpha S 708 and S 758 have been developed as multi-purpose adhesives. Both form strong, permanent contact bonds between the following materials - rigid PVC sheet, polyurethane foams of the polyester and polyether types, supported PVC leathercloth, leather, polyester glass fibre, rubber sheet and extrusions all of which may be bonded to each other or to hardboard, chipboard, wood, painted or unpainted metal. Rigid laminated plastics such as Formica, Warerite, Melamine, etc. may also be fixed with these adhesives. They are both well established in the automotive and coach building industries as multi-purpose body trim adhesives. Typical body trim and coach building operations to which S 708 and S 758 are suited include door and facia trims, roof headlinings, parcel racks and glove compartments.

S 708 and S 758 have also proved their versatility in the shop-fitting and bar fitting trades and in the boat building, furniture and footwear industries, where they are widely used as multi-purpose adhesives. Both materials have excellent ageing resistance.

Properties:

	S 708	S 758
Solids	26 +/- 1%	27.5 +/- 1%
Viscosity	4100-4600cps	6000-6500cps
Typical Specific Gravity	0.87	0.878
Flash Point	-12°c	-12°c
Coverage	3-4 sq mtrs of bonded material per litre	
Minimum Open Joint Time	2-15 mins depending upon absorbency of materials to be bonded.	
Maximum Open Joint Time	30 mins	20 mins
Cleaner	T 559	T 559
Reactivator	T161	T 559

Container Size:

S 708	S 758
5 litre	5 litre
1 litre (12 per case)	1 litre (12 per case)
1/2 litre (24 per case)	1/2 litre (24 per case)
1/4 litre (24 per case)	

Additional Information:

Manufactures data sheet available. This includes the method of application. For bonding advice see section 8

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CARTRIDGE SEALANTS

SECTION 6

Portmere Rubber Ltd **Tel: +44 (023) 8022 3628**
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DP 1700 ONE PART NEOPRENE ADHESIVE / SEALANT

3-6-1

Description:

Alpha Neoprene DP 1700 has excellent adhesion to a wide range of materials, and its gap-filling properties combined with high bond strength make this product ideal for bonding uneven surfaces reducing or eliminating the need for battens. The cured material can be overpainted. DP 1700 is suitable for use in a wide range of industries including building, insulation, road vehicles and marine. The sealant is ideal as a seam sealer for freight containers, commercial vehicles, caravans and domestic appliances. It has outstanding adhesion to steel and glass and is suitable for interior and exterior use. Other uses include glazing in the building industry and bounding acoustic tiles, panels, skirtings and architraves.

Applications:

As a sealant:

* Sealing seams in the manufacture of containers, commercial vehicles, caravans, rolling stock, refrigerators and other domestic appliances.
* Sealing between glass, wood and metal in glazing.
* General purpose sealant in automotive body joints and boat joints.

As an Adhesive:

* Fixing decorative wall panels, boards and insulating panels (hardboard, plywood, wood fibre, rigid PVC, glass reinforced plastic, cork, polyurethane insulating panels and chipboard).
* Bonding timber battens.
* Fixing timber and PVC skirtings, covings, architraves and sills.
* Bonding carpet grippers and stair nosings.

Properties:

Colour	Beige
Consistency	High Viscosity paste
Specific Gravity	1.24 kg/litre
Solids Content	68%
Storage Life	12 months stored in original containers in cool, dry conditions.
Service Life	In excess of 15 years if applied in accordance with the manufacturer's instructions.
Application temperature	5^{o}c- 40^{o}c
Service temperature	-20^{o}c - $+70^{o}$c
Movement Accommodation Factor	2%
Joint Size	Width max 6mm
Light Stability	Good resistance to UV light
Slump resistance	Excellent
Staining	None
Chemical resistance	Good chemical and oil resistance
Skinning time	At 20^{o}c 2-5 minutes
Cure time	7 days for 3mm bead
Shore "A" hardness	82
Bond strength	Tests carried out on metal test pieces indicate bond strength in excess of 3 kgf/cm^2
Food tainting	Cured sealant meets the requirements of BS 3755 in respect of non-contamination of food.

Container Size: 310ml tube (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice, see section 8

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3-6-2 DP 2205
HIGH MODULUS ACETOXY CURE SILICONE SEALANT

Description: Alpha Silicone Sealant DP 2205 is a ready to use gun applied cartridge sealant that cures rapidly on exposure to atmospheric moisture to form a robust rubber seal. Due to the long life expectancy and versatility of Silicone Sealant DP 2205, it can be used for both interior and exterior applications, with excellent adhesion to glass, ceramics, sanitary ware, glass reinforced plastic, acrylics and most other plastics.

Applications: For Sealing:

* Sanitary ware, ceramic tiling, kitchens and bathrooms.
* Infils, cladding panels and curtain walling.
* All forms of glazing systems.
* Caravans, boats, containers, refrigerated buildings and freezers.
* Air conditioning and duct work.
* In situ gaskets for automotive and aircraft industries.
* Draught proofing casement window and doors.

Properties:

Colours	Translucent, White, Grey, Aluminium, Brown, Bronze and Black. For the manufacture of aquaria, translucent should be used. White colour contains fungicide which could be harmful to fish.
Consistency	Thixotropic Paste
Specific Gravity	1.04 kg/litre
Solids Content	100%
Storage Life	12 months stored in original containers in cool, dry conditions.
Service Life	In excess of 20 years if applied in accordance with the manufacturer's instructions.
Application temperature	5^{o}c- 50^{o}c
Service temperature	-40^{o}c - $+200^{o}$c
Movement Accommodation Factor	Butt joint 12.5%, lap joint 25%
Joint Size	Width - min 3mm, max 25mm Depth - min 5mm, max 10mm
Light Stability	Excellent resistance to UV light
Slump resistance	Excellent
Chemical resistance	Excellent resistance to dilute acids, dilute alkalis and other chemicals normally encountered.
Skinning time	At 23^{o}c, 50% R.H. 5-10 minutes
Cure time	At 23^{o}c, 50% R.H. 1 day 4mm 3 days 7mm 5 days 10mm
Shore "A" Hardness	22
Modulus	50 N/cm^2
Tensile strength	Break at 250 N/cm^2
Elongation	Break at 450%

Container Size: 310ml tube (25 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice, see section 8

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DP 2209 3-6-3
ONE - PART BUTYL MASTIC SEALANT

Description: Alpha Butyl Sealant DP 2209 is high solids, one-part skinning butyl sealant, which forms a surface skin whilst he body of the material remains soft and flexible underneath. Uses:- Alpha Butyl Sealant DP 2209 has excellent adhesion to a wide range of materials and will form an effective durable seal. The material should not be exposed to direct sunlight and should be used in bedding applications or over-painted.

Applications:

* Bedding and pointing window and door frames.
* Bedding infil and cladding panels.
* Bedding sheet roofing onto structural frames.
* Bedding flanges in gutters pipes and duct work.
* Bedding panels and coverstrips in caravan manufacturing and coach building.
* Sealing lap joints in construction.
* Bedding beads into glazing systems.

Properties:

Colours	Grey, Brown, White
Consistency	Semi stiff paste
Solids content	87 +/- 1%
Typical Specific Gravity	1.5 kg/litre
Storage Life	9 months if stored in original containers in cool, dry conditions.
Service Life	In excess of 15 years if applied in accordance with the manufacturer's instructions.
Application Temperature	5^{o}c- 40^{o}c
Service Temperature	-40^{o}c - $+80^{o}$c
Chemical Resistance	Resistant to oil, dilute acids and dilute alkalis.
Movement Accommodation Factor	Butt joint 10%, Lap joint 20%
Joint Size	Width - min 6mm, max 25mm Depth - min10mm, max 25mm
Light Stability	Not suited for situations exposed to direct sunlight unless protected by paint.
Slump resistance	Excellent

Container Size: 380ml tube (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice, see section 8

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3-6-4 DP 2210
GENERAL PURPOSE OIL BASED MASTIC SEALANT

Description:

Alpha GP Mastic DP 2210 is a non-hardening, skin-forming, compound providing a watertight seal whilst accommodating limited thermal and cyclical movement of building compounds.
Uses:- Alpha GP Mastic DP 2210 is a general purpose sealant which rapidly forms a skin whilst the body of the sealant remains plastic. DP 2210 has excellent adhesion to masonry, timber, metal, acrylic and glass reinforced plastic making it ideal for general building and manufacturing applications. It is recommended in exposed application that DP 2210 is over-painted to prolong the service life of the material.

Applications:

Sealing and bedding of:

* Sills, windows and door frame surrounds.
* Panels bedding construction of system buildings, caravans and vehicles.
* Air seals for suspended ceilings.
* Bedding and cladding panels.
* Sealing joints in duct work.
* Sealing metal panels prior to welding in manufacture of containers, vehicles and rolling stock.

Properties:

Colours	White, brown, natural and grey
Consistency	Thixotropic Paste
Typical Specific Gravity	1.60 kg/litre
Solids Content	94%
Storage Life	9 months stored in original containers in cool, dry conditions.
Service Life	Up to 5 years if applied in accordance with the manufacturer's instructions. Over-painting will prolong the service life of the material
Application temperature	5^{o}c- 40^{o}c
Service temperature	-20^{o}c - +45^{o}c
Movement Accommodation Factor (within sealant)	Butt joint 5%, lap joint 10%
Joint Size	Width - min 5mm, max 25mm Depth - min 10mm, max 25mm
Slump resistance	Excellent
Skinning time	24 to 48 hours dependent on atmospheric conditions
Shrinkage time	Negligible
Water resistance	Good. Not recommended for joints continuously immersed in fresh or salt water.

Container Size: 380ml tube (25 per case)

Additional Information:

Manufacturers data sheet available. This includes the method of application.
For bonding advice, see section 8

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DP 2246 3-6-5
ONE - PART POLYURETHANE SEALANT ADHESIVE

Description:

Alpha Polyurethane DP 2246 is a fast curing one-part general purpose polyurethane compound ideal for sealing and adhering to a wide range of surfaces in most industries.

Uses:- Alpha Polyurethane DP 2246 is an elastomeric sealant which cures fully on exposure to atmospheric moisture to form a permanently elastic compound which accepts movement caused by expansion, contraction, shocks and vibrations. Being resistant to oil, sea water and extremes in heat and cold, the product is ideal for use in the transportation, marine heating and ventilating, engineering and fabrication industries. DP2246 is totally waterproof, non-toxic, non-corrosive and can be sanded and overpainted

Applications:

* Bolted lap joints.
* Cover plates.
* Boat deck and hulls and superstructures.
* Sealing duct joints and metal seams.
* Adhering lightweight metal panels.

Properties:

Colours	Black and White
Consistency	Thick paste
Specific Gravity	1.26 kg/litre
Solids Content	94%
Storage Life	6 months stored in original containers in cool, dry conditions.
Service Life	In excess of 10 years if applied in accordance with the manufacturer's instructions.
Application temperature	5^{o}c- 35^{o}c
Service temperature	-30^{o}c - $+90^{o}$c
Movement Accommodation Factor	Butt joint 10%, lap joint 20%
Joint Size	Width - min 4mm, max 30mm Depth - min 6mm, max 15mm
Light Stability	Excellent resistance to UV light
Slump resistance	Excellent
Chemical resistance	Excellent resistance to oil, dilute acids, dilute alkalis and other chemicals normally encountered.
Cure time	At 23^{o}c, 50% R.H. 3mm per 24 hours
Skinning time	At 23^{o}c, 50% R.H. 30 - 45 minutes
Shore "A" Hardness	40 - 50
100% Modulus	1.3 N/mm
Tensile strength	Break at 7 N/mm
Elongation	Break at 500%

Container Size: 310ml tube (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice, see section 8

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3-6-6 DP 2251
FLAME RETARDANT ADHESIVE / SEALANT

Description: DP 2251 is a flame retardant neoprene sealant. The material cures on atmospheric release of the solvents to form a tough, flexible fire retardant seal with good metal adhesion.

Applications: Sealant for high medium and low pressure ventilation ducting. General purpose sealant where flame retardant properties are required.

Properties:

Colour		Light grey
Consistency		High viscosity paste
Typical specific gravity		1.26
Solids content		66 +/- 1.5%
Service temperature		-30^{o}c - $+95^{o}$c
Drying time	Touch dry	5 minutes
	Through dry	24-72 hours
Flammability	Wet	Flammable
	Dry	Self extinguishing
Flash point		-12^{o}c
Joint size		4mm max
Chemical resistance		Good

Specifications: DP 2251, when fully cured passes BS 476 Part 6 and Part 7 to Class 1 and complies with H.V.C.A. ductwork specification DW142.

Container Size: 380ml tube (12 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice, see section 8

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DP 2266 3-6-7
LOW MODULUS NEUTRAL CURE SILICONE SEALANT

Description: Alpha Silicone Sealant DP 2266 is a moisture activated low modulus compound which cures to an elastic weathertight seal with a high degree of extension and compression under comparatively low loadings.
Uses:- Alpha Silicone Sealant DP 2266 adheres well to most common building substrates making a permanent seal to aluminium, steel, glass, reinforced plastic, uPVC and most other plastic surfaces. Being a neutral cure system, DP 2266 is particularly suitable for use on concrete, brick and cementitious products. When cured DP 2266 facilitates high movement accommodation and is recommended where substantial and repetitive movements occur, such as in joints between lightweight building components, acrylic panels and roof sheets.

Specification: BS 5889 Type 'A' 1980

Applications: For Sealing:
* uPVC and other plastics - coated window and door frames.
* Expansion joints.
* Lightweight panels in caravans, boats and containers.
* Curtain walling systems.
* Glass reinforced plastic panels and roof sheets.
* Aluminium window and door frames.

Properties:

Colours	White, Brown and Translucent
Consistency	Thixotropic Paste
Specific Gravity	1.25 kg/litre
Solids Content	100%
Storage Life	9 months stored in original containers in cool, dry conditions.
Service Life	In excess of 20 years if applied in accordance with the manufacturer's instructions.
Application temperature	5^{o}c- 50^{o}c
Service temperature	-50^{o}c - $+120^{o}$c
Movement Accommodation Factor	Butt joint 50%, lap joint 100%
Joint Size	Width - min 3mm, max 25mm Depth - min 5mm, max 10mm For optimum performance width:depth ratio should be between 2:1 and 3:1
Light Stability	Excellent resistance to UV light
Slump resistance	Excellent
Staining	None
Chemical resistance	Excellent resistance to dilute acids, dilute alkalis and other chemicals normally encountered.
Cure time	At 23^{o}c, 50% R.H. 1 day -2mm, 3 days - 5mm, 5 days -7mm
Skinning time	At 23^{o}c, 50% R.H. 30-35 minutes
Shore "A" Hardness	18
100% Modulus	20 N/cm^2
Tensile strength	Break at 100 N/cm^2
Elongation	Break at 550%

Container Size: 310ml tube (25 per case)

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice, see section 8

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ENGINEERING ADHESIVES

SECTION 7

SAS 100 SCREWLOCK

Description: SAS 100 is a medium viscosity, low strength anaerobic adhesive which is suitable for locking and sealing small screws and threads.

Applications: Locks small screws and threads. Assemblies requiring disassembly. Suitable for the majority of metals. Inactive metals such as stainless steel, cadmium, aluminium and zinc may reduce cure rate and the use of activator SAS 929 may be necessary.

Advantages: Low strength, threadlocking product. Resistant against some chemicals, oils and solvents. Locks and seals thread interfaces against vibration and corrosion. Does not harden in air. Hardens at room temperature in the absence of air and in the presence of metals. Easily dispensed. One component, needs no mixing. Free from solvent. Thin oil films will be tolerated. Locked components may be dismantled with conventional hand tools. Eliminates the need for lock washers, lock nuts and split pins.

Properties:

Colour	Red
Viscosity at 25^{o}c	150 + 50 cps
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (Intermittently)
Gap filling	Upto 0.1mm
Cure time (practical cure)	24 hours (approx.)

Locking Strength:

Break loose torque	5-10Nm - bright mild steel (220 M07) M8 Nuts and Bolts
Prevail torque	5-10Nm (Torque strength can be affected by enlargement length and thread form).

Container Size: SAS 100 is available in 10g, 50g and 250g containers. Larger sizes may be available on request.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-2 SAS 110 NUTLOCK

Description: SAS 110 is a medium viscosity, medium strength anaerobic adhesive which is suitable for locking small nuts and bolts.

Applications: Locks nuts and bolts. Small fasteners. Hydraulic connections and thread fittings.

Advantages: Medium strength, threadlocking and sealing product. Developed to lock and seal against vibration, leakage and corrosion. Resistant against some chemicals, oils and solvents. Does not harden in air. Hardens at room temperature in the absence of air and in the presence of metals. Easily dispensed. One component, needs no mixing. Free from solvent. Turns plain nuts into vibration proof lock nuts. Eliminates the need for lock nuts or other locking devices. Locked components may be dismantled with normal hand tools.

Properties:

Colour	Blue
Viscosity at 25^{o}c	150 + 50 cps
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (Intermittently)
Gap filling	Upto 0.1mm
Cure time (practical cure)	24 hours (approx.)

Locking Strength:

Break loose torque	10-15Nm - bright mild steel (220 Mo7) M8 Nuts and Bolts Prevail Torque 10-15Nm (Torque strength can be affected by engagement length and thread form).

Container Size: SAS 110 is available in 10g, 50g and 250g containers. Larger sizes may be available on request.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 120 STUDLOCK

3-7-3

Description: SAS 120 is a high viscosity, high strength anaerobic adhesive designed for locking and sealing and retaining studs and various cylindrical assemblies.

Applications: Studs and bolts. Takes the place of set screws, pins, keyways, press fits and splines. Can be used to improve mechanical performance of keyways, splines and press fits.
Suitable for the majority of metals.
Inactive metals such as stainless steel cadmium, aluminium and zinc may reduce cure rate and the use of activator SAS 920 may be necessary.

Advantages: High strength product. Developed to lock, seal and retain studs, bushes and splines against vibration, leakage, corrosion and fatigue. Resistant against some chemicals, oils and solvents. Does not harden in air. Hardens at room temperature in the absence of air and in the presence of metals. Easily dispensed. One component, needs no mixing. Free from solvent. Thin oil films will be tolerated. Eliminates interference fit. Simplifies design and reduces cost. Recommended for use when a permanent fixing is required.

Properties:

Colour	Green
Viscosity at 25^{o}c	500 + 250 cps
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (Intermittently)
Gap filling	Upto 0.15mm
Cure time (practical cure)	25 hours (approx.)

Locking Strength:

Break loose torque	20-25Nm
Prevail torque	20-25Nm Bright mild steel (220 M07) M8 nuts and bolts (Torque strength can be affected by engagement length and thread form).

Container Size: SAS 120 is available in 10g, 50g and 250g containers. Larger sizes may be available on request.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-4 SAS 130
BEARING FIT

Description: SAS 130 is a thixotropic, medium strength anaerobic adhesive which is suitable for the retention of bearing, bushes, keys and splines.

Applications: Retention of bearings, bushes, liners, keys and splines. Mounting oil seals and wear liners.
Suitable for the majority of metals. Inactive metals such as stainless steel, cadmium, aluminium and zinc may reduce cure rate and the use of activator SAS 920 may be necessary.

Advantages: Medium strength, thixotropic product. Developed for fitting bearings, pins, shafts and liners. Eliminates fretting, corrosion and stress fatigue common to interference fits. Does not harden in air. Hardens at room temperature in the absence of air and in the presence of metals. Easily dispensed. Because of its thixotropic nature, the adhesive does not easily flow off the component during application. One component, needs no mixing. Free from solvent.
Thin oil films will be tolerated. Eliminates interference fit.

Properties:

Colour	Purple
Viscosity at 25^{o}c	5000 +/- 1500 cps at 2.5 rpm 3000 +/- 1000 cps at 20 rpm
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (Intermittently)
Gap filling	Upto 0.2mm
Cure time (practical cure)	24 hours (approx.)

Locking Strength:

Break loose torque	15-20Nm
Prevail torque	15-20Nm Bright mild steel (220 M07) M8 nuts and bolts (Torque strength can be affected by engagement length and thread form).

Container Size: SAS 130 is available in 10g, 50g and 250g containers. Larger sizes may be available on request.

Additional Information: Manufacturers data sheet available. This includes the method of application.
For bonding advice see section 8.

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SAS 140 3-7-5
HYDRAULIC PIPE SEAL

Description: SAS 140 is a thixotropic, medium strength anaerobic adhesive which is suitable for locking and sealing of small hydraulic and pneumatic pipes with fine threads.

Applications: Sealing of small hydraulic and pneumatic threaded connectors and small pipe threads. Most suitable with 1/4" diameter pipes, but must not be used for sealing of pipes carrying flammable gases. If fluids contain corrosive liquids or gases (acidic of alkaline), then trials should be carried out to see if leakage occurs prior to its extended use. Not approved for use with drinking water.

Advantages: Medium strength sealant. Locks and seals low pressure hydraulic and pneumatic pipe fittings against leakage, vibration and mechanical fatigue. No significant loss of strength of cured sealant after intermittent ageing at temperatures up to 150^{o}c. Does not harden in air. Hardens to an insoluble, low pressure resistant seal at room temperature in the absence of air and in the presence of metals. One component, needs no mixing. Free from solvent. Thin oil films will be tolerated. Easily dispensed. Because of its thixtropic nature, the sealant does not easily flow off the component during application. Allows the assembly of pipes and elbows in confined spaces without the need for special tools. (If hydraulic pipes are mechanically torqued in the presence of the adhesive then disassembly may be more difficult).

Properties:

Colour	Brown
Viscosity at 25^{o}c	5000 + 1500 cps at 2.5 rpm 3000 + 1000 cps at 20 rpm
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (Intermittently)
Gap filling	Upto 0.20mm
Cure time (practical cure)	24 hours (approx.)

Locking Strength:

Break loose torque	10-15Nm brigh mild steel (220 M07) M8 nuts and bolts (Torque strength can be
Prevail torque	10-15Nm (torque strength can be affected by engagement length and thread form).

Container Size: SAS 140 is available in 10g, 50g and 250g containers. Larger sizes may be available on request.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-6 SAS 150
PIPE SEAL PTFE

Description: SAS 150 is a tixotropic, low strength anaerobic adhesive which is suitable for use as a sealant in the assembly of small finely threaded pipe sections.

Applications: Small thinly threaded pipe sections.
Small pneumatic and hydraulic pipes. Most suitable for 1/4" diameter pipes, but must not be used for sealing pipes carrying flammable gases (alkaline of Acidic) then trials should be carried out to see if leakage occurs prior to its extended use. Not approved for use with drinking water. Suitable for the majority of metals. Inactive metals such as stainless steel, cadmium, aluminium and zinc may reduce cure rate and the use of activator SAS 920 may be necessary.

Advantages: A sealant in paste form containing PTFE filler. Designed for use in the assembly of threaded pipe sections. Seals against vibration. Resistant against some chemicals, oils and solvents. Does not harden in air. Hardens and forms a seal at room temperature in the absence of air and the presence of metals. Easily dispensed and because of its thixotropic nature, migration of the sealant will be prevented during application. One component, needs no mixing. Free from solvent. Thin oils will be tolerated. Eliminates the need for PTFE tape and other jointing compounds.

Properties:

Colour	Caramel
Viscosity at 25^{o}c	70,000 + 10,000 cps at 2.5 rpm 35,000 + 5,000 cps at 20 rpm
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (ageing intermittently)
Gap filling	Upto 0.20mm
Cure time (practical cure)	24 hours (approx.)

Locking Strength:

Break loose torque	5-10Nm
Prevail torque	5-10Nm Bright mild steel (220 M07) M8 Nuts and bolts (Torque strength can be affected by the engagement length and thread form).

Container Size: SAS 150 is available in a 50g tube.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 160 3-7-7
INSTANT GASKET

Description: SAS 160 is an anaerobic sealant in paste form which is suitable for replacing conventional gaskets.

Applications: Seals metal mating flanges and die cast components. Suitable for the majority of metals. In active metals such as stainless steel, cadmium, aluminium and zinc may reduce cure rate and the use of activator SAS 920 may be necessary.

Advantages: A sealant in paste form designed to replace conventional gaskets and 'O' rings. forms a seal which is resistant to vibration, solvents, fuels and gases. Does not harden in air. Hardens and forms a seal at room temperature in the absence of air and the presence of metals. Easily dispensed. Because of its thixotropic nature, the sealant does not flow off the component during application. One component, needs no mixing. Free from solvent. Thin oil films will be tolerated. Can be used over a wide temperature range -40^{o}c and intermittently up to 150^{o}c.

Properties:

Colour	Orange
Viscosity	150,000 +/- 50,000 cps
Flask point ^{o}c	100
Operating temperature	-40^{o}c to 150^{o}c (Intermittently)
Gap filling	Upto 0.20mm
Cure time (practical cure)	24 hours (approx.)

Locking Strength:

Break loose torque	3-10Nm
Prevail torque	3-10Nm Bright mild steel (220 M07) (Torque strength can be affected by length and thread form).

Container Size: SAS 140 is available in a 50g tube.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-8 SAS 200
MAXIBOND PENETRANT

Description: SAS 200 is a low viscosity, high strength, very fast cure cyanoacrylate adhesive for bonding metal, rubber and plastics. It is used for close fitting non-porous substrates. It can be used as a penetrant for post-assembly applications.

Applications:

* Electronics industry - circuit boards.
* Wicking applications, post assembly.
* Rubber to rubber seals.
* Locking plastic screws etc.
* Instant repair of plastic and rubber components.

Advantages:

* Bonds well to a wide variety of materials.
* Solvent-free, one component.
* Penetrates into joints.
* Cures to a clear product.
* Economical - small volumes used.

Properties:

Liquid State

Base	ethyl cyanoacrylate
Colour	clear
Typical specific gravity (20°c)	1.050
Refractive index	1.439
Flash point (°c)	80
Viscosity (cps)	1-10

Cured state

Colour	clear
Typical specific gravity (20°c)	1.240
Refractive index	1.490
Softening point (°c)	145
Dielectric constant (at 10MHz)	3.5
Dielectric loss (at 10MHz)	0.067

Soluble in Acetone, Diemethyl formamide, Niotromethane, Diemethyl sulfoxide.

Heat Resistance: The operating range of SAS 200 is -40°c to +80°c. There is approx. 50% retention of bond strength at 80°c.

Container Size: SAS 200 is available in 20g, 50g and 500g containers.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 210 MAXIBOND

Description: SAS 210 is a medium viscosity, fast curing, high strength cyanoacrylate adhesive for bonding metal, rubber, plastics, ceramics and wood. It is a general purpose grade, especially good for bonding rubber and plastics to other materials.

Applications: Double glazing, bonds rubber gaskets. Drive belts, repair and assembly. Electronics, bonds components to circuit boards. O-rings, making to size. Instant repair of plastics, rubber. Rubber-metal and plastic-metal components.

Advantages: Very fast cures at room temperature. Bonds well to a wide variety of materials. Solvent free, one component. Cures completely - minimal clean up. Good moisture resistance.

Properties:

Liquid State

Base	ethyl cyanoacrylate
Colour	clear
Typical specific gravity (20°c)	1.09
Refractive index	1.439
Flash point (°c)	83
Viscosity (cps)	500 +/- 100

Fixing Times:

Rubber / Rubber	20 seconds
Steel / Steel	50 seconds

Heat Resistance: The operating range of SAS 210 is -60°c to +80°c. There is approx. 50% retention of bond strength at 80°c.

Container Size: SAS 210 is available in 20g, 50g and 500g containers.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-10 SAS 220 MAXIBOND

Description: SAS 220 is a high viscosity, high strength, slower curing cyanoacrylate adhesive for bonding metal, rubber, plastics, ceramics, wood and exhibits good gap-filling.

Applications: Electronics, bonds components to circuit boards. Woodwork, positioning of joints. Ceramics, ornaments. Housing magnets. Jewellery, setting stones.

Advantages: Fast cure at room temperature. Bonds porous or irregular materials. Solvent free single component. Gap fills up to 0.2mm. Bonds wide variety of materials. Cures completely - minimal clean up. Good moisture resistance.

Properties:

Liquid State

Base	ethyl cyanoacrylate
Colour	clear
Typical specific gravity (20^{o}c)	1.09
Refractive index	1.439
Flash point (^{o}c)	83
Viscosity (cps)	1800 + 600

Fixing Times:

Rubber / Rubber	20 seconds
Steel / Steel	60 seconds

Heat Resistance: The operating range of SAS 220 is -40^{o}c to +80^{o}c. There is approx. 50% retention of bond strength at 80^{o}c.

Container Size: SAS 220 is available in 20g, 50g and 500g containers.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 231 3-7-11
MAXIBOND WOOD ADHESIVE

Description: SAS 231 is a low viscosity, very fast setting, high strength cyanoacrylate adhesive. It has been developed to give fast setting with a wide variety of woods. It will also bond metals, rubber, plastics and ceramics.

Applications: repair of splits in wood in window-frames. Wooden ornaments. Lampshades.

Advantages: One part - easy to apply. Very rapid bond at room temperature. Fast setting times with wood. Excellent resistance to moisture. Cures completely, minimal clean up. Economical - small volumes used.

Properties:

Liquid State

Base	ethyl cyanoacrylate
Colour	clear
Flash point (^{o}c)	80
Viscosity (cps)	100 -200

Cured state

Colour	clear
Refractive index (N^2D^o)	1.49
Softening point (^{o}c)	80

Soluble in acetone, dimethyl formamide, nitomethane, dimethyl sulfoxide.

Fixing times:

Beech to Beech	15-25 seconds
Oak to Oak	20-30 seconds
Teak to Teak	20-30 seconds
Mahogany to Mahogany	25-40 seconds

Cure time is dependant upon humidity and the moisture content of the wood. An activator SAS 900 is available to increase the cure speed.

Container Size: SAS 231 is available in 50g and 500g containers.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-12 SAS 232

Description: SAS 232 is a medium viscosity, fast curing, high strength modified cyanoacrylate adhesive for bonding metal, rubber, plastics, ceramics and wood. It is black in colour and due to its polymeric modification gives good impact resistance.

Applications: Double glazing, bonds rubber gaskets. Drive belts, repair and assembly. Electronics, bonds components to circuit boards. O-rings, making to size. Instant repair of plastics, rubber. Rubber-metal and plastic-metal components.

Advantages: Very fast cures at room temperature. Bonds well to a wide variety of materials. Solvent-free, one component. Cures completely - minimal clean up. Good moisture resistance. Good impact resistance.

Properties:

Base	ethyl cyanoacrylate
Colour	black
Specific gravity	1.09
Flash point	83^{o}c
Viscosity	1000 +/- 100 cps
Gap fill	0.15mm

Fixing Times:

Rubber / Rubber	10-20 seconds
Steel / Steel	40-50 seconds

Cure Speed: Cure speed is dependent on humidity and surface to be bonded. Normal atmospheric moisture is adequate for most purposes. An activator SAS 900 is available to increase cure speed.

Heat Resistance: The operating range of SAS 232 is -60^{o}c to +130^{o}c. There is approx. 50% retention of bond strength at 130^{o}c.

Container Size: SAS 232 is available in 20g, 50g and 500g containers.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 300 MEGABOND

3-7-13

Description: SAS 300 is a high strength, room temperature rapid curing toughened acrylic adhesive which is non-flammable, low odour and low toxicity. It has been formulated to give the optimum performance in terms of shear, peel and impact. Although it is two-component, no mixing is required and it will bond oily surfaces. It will bond metals, glass, wood, GRP and plastics but not PTFE or polyethylenes.

Applications:

* Stiffeners for metal and plastic panels in motor and office equipment.
* Loudspeaker magnets.
* machine tools.
* Sports equipment, rackets and golf clubs.
* Replacement of rivets and welds in metal construction.

Advantages:

* Low odour
* Rapid curing at room temperature.
* No mixing.
* Minimal surface preparation.
* High peel and impact strength.
* Bonds withstand vibration and shock.

Properties:

Adhesive

Resin	Elastomeric methacrylate
Viscosity (cps)	44000 - 54000
Typical specific gravity	1.020
Flash point (Abel)	70^{o}c
Colour	Translucent
Gap fill	0.5mm

Activator

Viscosity	Thin
Solvent	Trichloroethylene
Flash point	>100^{o}c
Typical specific gravity	1.2
Colour	Amber

Heat Resistance: Bonds made with SAS 300 can withstand temperatures of 100^{o}c constantly and up to 150^{o}c intermittently. There is a loss of bond strength at high temperatures which is recovered when the bond returns to ambient temperatures.

Container Size: 60g

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-14 SAS 510
HEAT CURE EPOXY ADHESIVE

Description: SAS 510 is a one-part heat activated toughened epoxy resin adhesive offering exceptionally high peel and impact strength, tolerance to oil contaminated joint surfaces and high temperature resistance. SAS 510 is ideal for bonding to metals, plastics, GRP and wood.

Applications: Structural bonding of cars, trucks, buses and rail vehicles.
Metal to metal structures, lifts, switchgear enclosures etc.

Advantages: Free from solvents. One-part - no mixing required. Thixtropic - non slumping. Toughened - high impact strength. High heat resistance. Thin oil film tolerated. Does not harden at room temperature. Easily dispensed. Full cure achieved in temperature range 150 - 190^{o}c.

Properties:

Consistency	Thixotropic paste
Colour	Aluminium
Typical specific gravity	1.25
Gap filling	Up to 3mm
Cure speed	150^{o} 30 minutes
	160^{o} 20 minutes
	190^{o} 10 minutes
Tensile shear	25-30 MN/m^{2}
Peel strength	3.9 KN/m (at 90^{o} angle).

Container Size: SAS 510 is available in 310ml cartridges.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 530 3-7-15
EPOXY ADHESIVE QUICK SET

Description: SAS 530 is a quick setting two-part epoxy adhesive for bonding metals, glass, GRP, ceramics, rubber and plastics. SAS 530 is suitable for use in light assemblies, maintenance and repair.

Applications:

* Assembly of electronic components.
* Model building
* Construction of light assemblies.
* Repair of glass and ceramics.
* Mould making.

Advantages:

* Equal part mix.
* Quick setting- handleable within 10-15 minutes.
* Heat resistant to 60^{o}c.
* Resistant to water and a wide range of solvents and chemicals.

Properties:

Consistency	Liquid
Colour	Amber
Operating temperature	0-60^{o}c
Gap filling	0.3mm
Handling strength	10-15 minutes
Full cure	24 hours

Container Size: SAS 530 is available in 25g and 500g kits.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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3-7-16 SAS 600,610,620,630 RTV SILICONE SEALANTS

Description: These products are one component, acid cure silicone sealants, which cure on exposure to moisture in the atmosphere to a tough resilient compound. They are available in white, clear, black and aluminium and are ideal for many bonding, sealing and encapsulating operations.

Applications:

* Glazing systems
* Glass and ceramics. In the presence of primer.
* Flange sealing on steam lines and domestic heating boilers.
* Joints on gas metres, telephone junction boxes.
* PowerStation boilers.
* Flexible water tight seals.

Advantages:

* Good adhesion to metals, woods and most plastics.
* Bonds exceptionally well to glass and ceramics.
* Highly thixotropic with non-sagging characteristics.
* Full cure within 1-4 days.
* Unaffected by weather, uv radiation and ozone. Excellent resistance to dilute acids and alkalis.

Container Size: The SAS 600 series is available in 80ml and 310ml cartridges.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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SAS 640 3-7-17
RTV SILICONE SEALANT

Description: SAS 540 is a one part, neutral cure, low modulus silicone sealant which cures on exposure to moisture in the atmosphere to form a tough, resilient, elastic compound and is ideal for many bonding, sealing and encapsulating operations.

Applications:

* Glazing systems using wood, steel and aluminium.
* Sealing joints around uPVC and aluminium windows.
* Sealing joints in caravan container and boat manufacture.
* Seal infill and cladding panels.
* Perimeter pointing of windows and doors.

Jointing between precast concrete panels.
Electrical systems.
Surface mounting electronic components.

Container Size: SAS 640 is available in 80ml and 310ml cartridges.

Additional Information: Manufacturers data sheet available. This includes the method of application. For bonding advice see section 8.

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TECHNICAL DATA SECTION

SECTION 8

PRODUCT SELECTION GUIDE 3-8-1

The table shown is a simple guide to selecting the right adhesive for the most frequent applications. Identify the two materials you wish to bond and read off the appropriate adhesive type from the table. Where more than one polymer is shown, they are listed in order of preference.

	Plaster (unpainted)	Concrete	Asbestos	Ceramics (unglazed side)	Cork	Paper & Cardboard	Hessian & Carpets	Leather	Glass	Fibreglass (Rigid)	Felt	Wood	Painted Surfaces	Metals & Alloys	Polystyrene	PVC (Flexible)	PVC (Rigid)	PU (Flexible)	PU (Rigid)	Neoprene	Nat. Latex Foam	Natural	Polythene	ABS	GRP	Polystyrene	Lam. Plastics	Acrylics	PVC (Rigid)	PVC (Flexible)	SBR	Butyl	Polyurethane	Nitrile	Neoprene	Natural
Natural	A*	A*	A*	A*	A*	A*	A*	A*	A*	A*	A*	A*	A*	A*	F	D*	A*	A*	A*	A*	A*	E	B	A*	A*	A*	A*	A*	A*	D	B	E	A*	A*	A*	E
Neoprene	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	A	A	A	A	A	B	A	A	A	A	A	A	D	A	A	A	A	A	
Nitrile	D	D	D	D	D	D	D	D	D	D	D	D	D	D	F	D	D	D	D	A	A	A	B	A	A	D	A	A	A	D	D	D	D	D		
Polyurethane	C	C	C	C	C	C	C	C*	D	C	C	C	C	C	F	C	C	C	C	A	A	A	B	A	A	A	A	A	A	D	C	C	C			
Butyl	C	C	C	C	C	C	C	C*	C	C	C	C	A	A	F	C	C	C	C	A	A	A	B	A	A	A	A	A	A	D	A	C				
SBR	B	B	B	B	B	B	B	B*	D	A	B	B	A	A	F	D	A	A	A	A	A	A	B	A	A	A	A	A	A	D	B					
PVC (Flexible)	D	D	D	D	D	D	D	DC*	D	D	D	D	D	AD	F	D	D	D	D	D	D	D	B	D	D	D	D	D	D	D						
PVC (Rigid)	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	AC	AC	A	A	A	B	A	A	A	A	A	A							
Acrylics	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	A	A	A	A	A	B	A	A	A	A	A								
Lam. Plastics	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	A	A	A	A	A	B	A	A	A	A									
Polystyrene	B	B	B	B	B	B	B	B*	B	B	B	B	B	E	F	D	A	A	A	A	A	A	B	A	A	J										
GRP	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	A	A	A	A	A	B	A	A											
ABS	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	A	A	A	A	A	B	J												
Polythene	B	B	B	B	B	B	B	B	D	B	B	B	B	B	F	B	B	B	B	B	B	B	B													
Natural	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	AD	A	A	A	A	A	AE														
Nat. Latex Foam	AE	AE	AE	AE	AE	F	A	E	A	A	AE	AE	A	AE	F	D	A	A	A	A	AE															
Neoprene	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A	A	A	A																	
PU (Rigid)	AE	AE	AE	AE	EB	F	C	A*	D	A	D	AE	A	A	F	D	C	AB	AB																		
PU (Flexible)	AE	AE	AE	AE	EB	F	C	A*	D	A	D	AE	A	A	F	D	C	AB																			
PVC (Rigid)	A	A	A	A	A	A	A	A*	A	A	A	A	A	A	F	D	A																				
PVC (Flexible)	D	D	D	D	D	D	D	C*	D	D	D	D	D	D	F	D																					
Polystyrene	F	F	F	F	F	F	F	F*	F	F	F	F	F	E	F																						
Metals & Alloys	A	A	A	A	AE	A	A	A	A	A	EA	A	A	A																							
Painted Surfaces	A	A	A	A	A	A	E	A*	A	A	A	A	A																								
Wood	A	A	A	A	AE	AE	A	A*	A	A	AE	F																									
Felt	A	A	A	A	A	A	A	A*	D	A	F																										
Fibreglass (Rigid)	A	A	A	A	A	A	A	A*	A	A																											
Glass	D	D	D	D	D	D	D	D*	D																												
Leather	A*	A*	A*	A*	A*	E*	A*	A*																													
Hessian & Carpets	A	F	A	F	A	F	F																														
Paper & Cardboard	A	A	A	A	F	F																															
Cork	F	F	A	A	EF																																
Ceramics (unglazed side)	FE	FE	FE	FE																																	
Asbestos	A	A	A																																		
Concrete	F	F																																			
Plaster (unpainted)	F																																				

Rubbers

Plastic Materials

Expanded Rubber & Plastic

Other Materials.

A Neoprene, including S2000, S834, S708, S758, SN1314, S1127, S1308, S1358, S1470, S1498, SN1554,S1695 & DP1700.

B SBR, including SN1501, SN1789, SN1901, SN1234, SN1249, SN1646, SN1812 & S1229.

C Polyurethane, including S1310, S1762, SN1850 , SN1860 & SN1870.

D Nitrile, including S115, SN1521 & S1588.

E Natural Rubber, including S81, L107, S520, S1022, S889, SN1114, S1329 & S1764.

F Water Based Adhesives, including A1038, A1020, A1111 & A1619.

J Others.

* Denotes surface pretreatment may be required

For more information on the above products, please refer to the relevant product data sheets and the Following technical sections.

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3-8-2 NEOPRENE ADHESIVES

Product Number	Description	Method of Application	Flammable	Cleaner
S2000	X Linking Adhesive Waterproof	Brush	Yes	T559
S834	SN1194 Non Flammable S1722 Faster Drying	Brush	Yes	T559
S708	S1240 Black	Brush	Yes	T559
S758	S914 Low Viscosity MG Higher Viscosity	Brush	Yes	T559
SN1314	Non Flammable Contact Adhesive	Brush	No	T559 TN1090
S1127 Ultrafix	S1359 Low Viscosity	Brush	Yes	T559
S1308	One Way Stick	Brush	Yes	T559
S1358	S1564 Low Viscosity	Brush	Yes	T559
S1470	Thixofix	Spreader	Yes	T559
S1498	Thixofix Trade Formula	Spreader	Yes	T559
SN1554	(Clear/Red) SN1684 Flame Retardant	Spray	No	TN1090 T559
S1695	S1694 Red Version	Spray	Yes	T559
DP1700	Neoprene Adhesive/ Sealant	Cartridge Gun	Yes	T559

S B R ADHESIVES

Product Number	Description	Method of Application	Flammable	Cleaner
SN1501	Foam Building Adhesive	Spray	No	T559/ TN1090
SN1789	Upholstery/Trim Adhesive (Red) Longer Tack SN1797 (Clear)	Spray	No	TN1090
SN1091	Sprayable GP Adhesive (Red/Clear)	Spray	No	TN1090
SN 1234	Foam Building Adhesive	Spreader	No	TN1090
SN1249	Foam Building Adhesive	Roller	No	TN1090
SN1646 Easy Spray	GP Adhesive Aerosol	Spray	No	TN1090
SN1812	Safer Foam Building Adhesive	Spray	No	TN1090
S1229	Pressure Sensitive	Roller	Yes	T160

For bonding advice, please refer to page 3-8-1.

Product Number	Description	Method of Application	Flammable	Cleaner
S1310	Polyurethane and PVC Adhesive	Brush	Yes	T161
S1762	Water Resistant Seam Sealer (max12 week shelf life)	Spray	Yes	T161
SN1850	MCPU Adhesive	Spray	No	T161 TN1239
SN1860	MCPU Adhesive	Brush/Roller	No	T161 TN1239
SN1870	MCPU Longer OJT	Spray	No	T161

NITRILE ADHESIVES

Product Number	Description	Method of Application	Flammable	Cleaner
S1115	PVC Adhesive	Brush	Yes	T162
SN1521	Sprayable for Unsupported PVC	Spray	No	TN1090 T162
S1588	PVC/Metal Adhesive	Brush	Yes	T162
SN975	Polystyrene Cement	Brush	No	TN1090
S1735	PVC Pipe Cement	Brush	Yes	T161

PVA/EVA WOODWORKING & LAMINATING ADHESIVES

Product Number	Description	Method of Application	Flammable	Cleaner
A1545	White Indoor Woodworking Adhesive	Roller/Brush	No	H_2O
A1650	X Linking Clear Conform To BS DIN 68602 B3	Roller/Brush	No	H_2O
A1668	X Linking Clear Conform To BS DIN 68602 B3	Roller/Brush	No	H_2O
A1693	PVC Foil Laminating Adhesive	Roller/Brush	No	H_2O
A1687	Thicker Version of A165	Roller/Brush	No	H_2O
A1651	Inst Paper Adhesive	Spray/Brush	No	H_2O
A1714 AIB	X Linking Clear Conforms To BS DIN 68602 B4	Roller/Brush	No	H_2O

For bonding advice, please refer to page 3-8-1.

NATURAL RUBBER ADHESIVES

Product Number	Description	Method of Application	Flammable	Cleaner
S81	High Tack Trim Adhesive	Brush/Spreader	Yes	T160
L107	Upholstery Solution	Brush/Spreader	Yes	T160
S520	Multi-purpose Black Cement	Brush	Yes	T160
S1022	High Viscosity S889	Brush/Spreader	Yes	T160
S889	Multi-Purpose Adhesive	Brush	Yes	T160
SN1114	Upholstery Solution	Brush	No	TN1090 T160
S1329	Pressure Sensitive	Roller	Yes	T160
S1764	Textile Adhesive	Brush	Yes	T160

LATEX ADHESIVES

Product Number	Description	Method of Application	Flammable	Cleaner
A1038	"Quick Grab" Roller Coatable Textile Adhesive	Roller	No	H_2O
A1020	"Quick Grab" Textile Adhesive	Brush	No	H_2O
A1111	"Quick Grab" Textile Adhesive	Spray	No	H_2O
A1619	Self-Seal Envelope Adhesive	Roller	No	H_2O

MISCELLANEOUS

Product Number	Description	Method of Application	Flammable	Cleaner
SN975	Polystyrene Cement	Brush	No	TN1090
SN1735	PVC Pipe Cement	Brush	Yes	T161

For bonding advice, please refer to page 3-8-1.

Product Number	Description	Colour	Can be Overpainted	Resistance to			Solvent Free
				Water	Oil	Dilute Acids	
DP163	Gauze Reinforced Rubber Bitumen Preformed Strip	Black	No	Yes	No	Yes	Yes
DP576.2	Butyl Preformed Strip	Grey	Yes	Yes	Yes	Yes	Yes
DP576.3	Butyl Reinforced Preformed Strip	Grey	Yes	Yes	Yes	Yes	Yes
DP2255	Butyl Single Strand Extrusion	Buff	No	Yes	Yes	Yes	Yes
DP2208	High Tack Preformed Strip	Off White	Yes	Yes	Yes	Yes	Yes
DP2600	Elastic Polymer Preformed Strip	Black	No	Yes	No	Yes	Yes

For bonding advice, please refer to page 3-8-1.

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