



# Scapa Automotive Adhesive Systems

Every year millions of motor vehicles are produced worldwide, with each new model requiring individual tape solutions. Scapa is a global leader and manufacturer of technical adhesive solutions that address the evolving needs of automotive market OEMs, converters, component supplier tiers and supply chain partners.

The Scapa automotive portfolio utilises technically innovative materials and high performance adhesive systems that help ensure full compliance with the stringent OEM specifications and engineering requirements of key global customers. Scapa offers a wide range of customised solutions aimed at improving the manufacturing process and reducing waste material. The Scapa Research and Development Team works with industry experts to continuously evaluate automotive market trends and the latest in automotive design and are always on hand to provide advice and support for your adhesive requirements.

## Automotive Portfolio:

- Acrylic Foam Tapes (AFT)
- PE, PU and PVC foam tapes
- Thermal conductive and shielding tapes
- Electrically conductive and EMI / RFT shielding tapes
- Wire harness wraps
- Foam laminating
- Butyl sealants

## Key Applications:

- Anti-squeak and rattle
- Bonding and sealing of roof trim and cladding
- Bonding, mounting and sealing exterior components
- Emblem, badge, decal and chrome bonding
- Dissimilar material separation
- Electrically conductive and EMI / RFI shielding
- Gap filling and oscillation reduction
- General wire wrapping and identification
- Heat protection
- Impact resistance
- Mirror mounting
- Noise management
- Sealing
- Sound damping
- Thermal conductivity / shielding



## AFT (Acrylic Foam Tapes)

Product	Description	Total thickness (mm)	Colours	Carrier / adhesive	Peel adhesion (N/25mm)	Operating temperature (ST = Short term)	Application(s)
AS12x0 Series	Hard acrylic foam tape with excellent short and long term temperature resistance. Provides high strength bonding to HSE substrates.	0.64; 0.8; 1.14; 1.2; 2.0; 3.0	GY, W	Acrylic foam tape	50 - 80	-30°C to + 180°C (+210°C)	Metal bonding pre-powder coating paint process, metal stiffener bonding.
AS16x0 Series	Medium hardness acrylic foam tape. Bonds to a variety of MSE substrates. Flexible for curved surface bonding.	0.4; 0.64; 0.8; 1.14; 1.2; 1.6; 2.3	GY	Acrylic foam tape	40 - 70	-30°C to + 150°C (+180°C)	Emblem and trim bonding to painted surfaces, door weather-stripping (primed EPDM rubber), body side moulding and spoiler bonding, U-clip for sealing.
AS16xK	Modified acrylic adhesive coated foam. Excellent performance to LSE plastics. High tack and initial adhesion.	0.4; 0.64; 0.8; 1.14; 1.6	W, GY, BK	Acrylic foam tape	40 - 70 (Steel) 50 - 85 (ABS)	-40°C to + 90°C (+110°C)	Bonding plastic components to painted automotive bodies, side / sun visor bonding, bonding name plates, lamp sealing.
AS19xK	Modified acrylic adhesive coated foam. Excellent performance to LSE plastics. High tack and initial adhesion.	0.4; 0.64; 0.8; 1.14; 1.6	W, GY, BK	Acrylic foam tape	40 - 70 (Steel) 50 - 85 (ABS)	-40°C to + 90°C (+110°C)	Bonding of engineered plastics.
AS19xA Series	Low density acrylic foam tape with high dynamic shear performance.	0.4; 0.64; 0.8; 1.14	GY, W	Acrylic foam tape	35 - 60	-30°C to + 150°C (+180°C)	Bonding body side moulding, roof rails and spoilers, ideal for die cut parts, U-clip for lamp sealing, door cladding and sealing, metal stiffener bonding.
AS15xA Series	Softer and low density acrylic foam tape with good conformability.	0.25; 0.4; 0.64; 0.8; 1.2; 1.6; 2.0	W, GY	Acrylic foam tape	30-70	-35°C to +150°C (+180°C)	Bonding painted panels.

## TCT (Thermal Conductive Tapes)

Product	Description	Total thickness (mm)	Colours	Carrier / adhesive	Peel adhesion (N/25mm)	Thermal Conductivity (W/m-K)	Operating temperature (ST = Short term)	Application(s)
AS1Bx0 Series	Higher thermal conductivity with medium adhesion and bond strength.	0.25; 1	W	Acrylic foam tape / thermal conductive	8 - 12	1.0	-20°C to +120°C (+150°C)	Fluorescent lamps in LED systems.
AS713xx Series	Acrylic foam film tape (PET core) with good adhesion and excellent die cut performance.	0.15; 0.2	W	Acrylic foam film tape / thermal conductive	20 - 25	0.8 - 1.2	-20°C to +80°C (+100°C)	Fluorescent lamps in LED systems.
AS72525	Acrylic foam film tape (PET core) with good adhesion and excellent die cut performance. Non-flammable.	0.25	W	Acrylic foam film tape / thermal conductive	25 - 30	0.8	-20°C to +80°C (+100°C)	Fluorescent lamps in LED systems.

## Transfer Films

Product	Description	Total thickness (mm)	Colours	Carrier / adhesive	Peel adhesion (N/25mm)	Operating temperature (ST = Short term)	Application(s)
4450	Excellent UV and temperature resistance. Long ageing performance. Adhesive contains glass fibres for easier converting.	0.04	CL	- / Medium firm acrylic	7	-30°C to +150°C (+180°C)	Bonding and mounting applications.
0485	Very aggressive, pressure sensitive adhesive mass. Forms a watertight bond. Not suitable for UV light exposure.	0.4; 1; 2	AM	- / Rubber resin	-	0°C to +40°C	Bonding insulation panels, mounting lightweight trim and fixing carpets.
H191U	Thermofilm® 50µ thermosetting heat activated film. Provides high strength bond when heat activated to metals, wood, plastics, paper, ceramics and non-wovens. Easy die cutting at room temperature.	0.05	TL	- / Thermosetting nitrile-phenolic	-	+121°C to +204°C depending on dwell and pressure.	Bonding of plastic parts, splicing of fibreglass cloth and other woven fabric materials, lamination to PVC and other plasticised materials.
U855	Unifilm® high peel and shear adhesion, well balanced adhesive and cohesive properties; designed to provide excellent adhesion to variety of foams. Also provides some LSE adhesion properties.	0.13	TL	- / Modified acrylic	22.2	-40°C to +100°C	Foam fabrication (excellent anchorage to PE, EVA and ester and ether PU foams), assembly aid.
U883	Unifilm® high peel and shear adhesion, well balanced adhesive and cohesive properties. Designed to provide excellent adhesion to a variety of foams. Also provides some LSE adhesion properties.	0.08	TL	- / Modified acrylic	33	-40°C to +95°C	Assembly, general purpose bonding, nameplates, LSE plastic attachment, bonds to untreated polyolefin.

### Product Color Key

AM = Amber  
BE = Beige  
BK = Black

BL = Blue  
CL = Clear  
GR = Green

GY = Grey  
R = Red  
SIL = Silver

TP = Transparent  
TL = Translucent  
W = White

## Double Coated Tapes

Product	Description	Total thickness (mm)	Colours	Carrier / adhesive	Peel adhesion (N/25mm)	Operating temperature (ST = Short term)	Application(s)
4403	High tack and adhesion on low and high surface energy substrates.	0.24	TL	PVC / medium soft modified acrylic	>25	-30°C to +120°C	Mirror mounting, trim attachment, headliner fixing and treadplates bonding.
4414	High tack and adhesion to low and high surface energy substrates.	0.17	TL	Polyester / medium soft modified acrylic	20	-40°C to +110°C (+140°C)	Rubber profile and extruded plastic profile bonding. Interior trim lamination.
4440	General purpose lightweight hand tearable tissue. Good UV and ageing properties.	0.09	W	Tissue / medium firm acrylic	11	-20°C to +120°C	Fascia assembly, nameplate bonding.
D100	Exceptional tack and high adhesion to most surfaces. Good plasticiser resistance. Specially suitable for EPDM rubber bonding.	0.22	TL	PVC / medium soft acrylic	37.8	-40°C to +120°C	Bonding rubber profiles and sound dampening materials, foam gasketing.
D160	Very high tack. Hand tearable. Good plasticiser resistance.	0.11	TP	Polyester / medium soft acrylic	31	-40°C to +95°C	Bonding rubber profiles and sound dampening materials, foam gasketing.

## Double Coated Foam Tapes

Product	Description	Total thickness (mm)	Colours	Carrier / adhesive	Peel adhesion (N/25mm)	Operating temperature (ST = Short term)	Application(s)
5164	Hard and resilient PVC foam sealant. Forms a waterseal at 20% compression. Very good weathering properties. UV light resistant.	0.8; 1.5; 3	W	PVC foam / acrylic	10	-40°C to +70°C	Exterior mirrors assembly.
5169	Hard and resilient PVC foam sealant. Forms a waterseal at 20% compression. Very good weathering properties. UV light resistant.	0.8; 1.5; 2; 3; 4.5	BK	PVC foam / acrylic	10	-40°C to +70°C	Spacer tape in transportation assembly applications. Exterior mirrors assembly.
5179	Medium hard and resilient PVC foam sealant. Forms a waterseal at 30% compression. Very good weathering properties. UV light resistant.	1.5; 3; 4.5; 6.5	BK	PVC foam / acrylic	15	-40°C to +70°C	Spacer and dampener in commercial vehicle assembly.
5464	High performance PE foam. Designed for high static shear load bonding. UV light and heat resistant.	1; 2	W	PE foam / acrylic	18	-40°C to +100°C	Mirror bonding foam tape.
5469	High performance PE foam. Designed for high static shear load bonding. UV light and heat resistant.	1	BK	PE foam / acrylic	18	-40°C to +100°C	Mirror bonding foam tape.
5499	High strength PE foam. Good mechanical properties. UV light resistant	0.5; 0.8	BK	PE foam / acrylic	20	-40°C to +100°C	Headlight bonding, external automotive emblem bonding, mounting and sealing internal trims.
5574	High performance PE foam. Designed for very high static shear load bonding. Not UV light resistant.	0.8	W	PE foam / rubber resin	45	-40°C to +70°C	Exterior mirror assembly.
5589	Very high strength PE foam. Excellent mechanical properties. UV light resistant.	0.8	BK	PE foam / acrylic	20	-40°C to +120°C	Emblems and trim bonding.
5599	Thin, very high strength PE foam. Excellent mechanical properties. UV light resistant.	0.5	BK	PE foam / acrylic	18	-40°C to +100°C	Emblems, badges and decal bonding.
5669	Strong, thin and flexible PU foam. Excellent chemical resistance and dimensional integrity during die cutting. UV light resistant.	0.4; 0.8	BK	PU foam / acrylic	16	-40°C to +120°C	Emblems and scripting bonding, LED lighting system bonding.

NOTE: ST (Short term) operating temperatures typically refers to a 1 hour (60 minute) maximum duration. For specific detail, please consult the technical data sheet of the product.

NOTE: Compression required to affect seal. Water and weather = 30%, Air, dust and draft = 50%

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## Single Coated Tapes

Product	Description	Total thickness (mm)	Colours	Carrier / adhesive	Peel Adhesion (N/25mm)	Seal type	Force to Compress N/cm <sup>2</sup>	Operating temperature (ST = Short term)	Application(s)
3099	Very soft, low density PVC foam sealant. UV light resistant.	3; 4.5; 6; 9; 12	BK	PVC foam / acrylic	-	Water; air; dust	1.9	-30°C to +70°C	Commercial vehicle anti-vibration gap filling.
3209	Soft PVC foam sealant. UV light resistant.	3; 4.5; 6	BK	PVC foam / acrylic	-	Water; air; dust	2.7	-30°C to +70°C	Sealing to Polycarbonate structures, anti-vibration, gap filling, air and dust seal.
3257	Medium hard PVC foam sealant. UV light resistant.	1.5; 3; 4.5; 6	GY	PVC foam / acrylic	-	Water; air; dust	3.2	-30°C to +70°C	Interior and exterior. Water and dust seal. Elimination of vibration and wind noise.
3259	Medium hard PVC foam sealant. UV light resistant.	1.5; 3; 4.5; 6; 7.5; 9; 10.5; 12; 15	BK	PVC foam / acrylic	-	Water; air; dust	3.2	-30°C to +70°C	Interior and exterior. Water and dust seal. Elimination of vibration and wind noise.
CoverGard™ 3367	Linered surface protection tape.	0.32	GY	Cotton cloth / PIB	8.75	-	-	-30°C to +90°C	Temporary protection of interior and exterior plastic, painted metal and wood against damage during transport.
CoverGard™ 3368	Linered surface protection tape.	0.33	GY	Cotton cloth / PIB	11.25	-	-	-30°C to +90°C	Temporary protection of freshly painted or plastic car body parts against damage during transport.
3507	Hard PVC foam sealant. UV light resistant.	0.8; 1.5; 2.5; 3; 4.5; 6	GY	PVC foam / acrylic	-	Water; air; dust	6.1	-30°C to +70°C	Gap filling. Forms a compression against water, air and dust seal.
3509	Hard PVC foam sealant. UV light resistant.	0.8; 1.5; 3; 4.5; 6	BK	PVC foam / acrylic	-	Water; air; dust	6.1	-30°C to +70°C	Gap filling. Forms a compression seal against water, air and dust.
3824	Medium hard PE foam sealant with fixed PE backing on the non-adhesive side.	1; 2; 3; 4; 6	W	PE foam / rubber resin	-	Air; dust	3 (20%)	-30°C to +80°C	Sealing to polycarbonate structures, anti-vibration, gap filling, forms a compression against air and dust seal.
3829	Medium hard PE foam sealant with fixed PE backing on the non-adhesive side.	2; 3; 4; 5; 6; 10	BK	PE foam / rubber resin	-	Air; dust	3 (20%)	-30°C to +80°C	Sealing and cushioning between different components, anti-vibration, gap filling, forms a compression against air and dust seal.
330	Linerless 75µ soft aluminium foil tape with acrylic adhesive. Good chemical resistance.	0.13	SIL	Aluminium foil / acrylic	10	-	-	-35°C to +150°C (+180°C)	Masking for automotive body painting.
2240	Low tack. Printable.	0.052	BL	PVC film / rubber resin	0.7	-	-	-10°C to +60°C	Masking and protective applications of metals, plastic, wood panels and low energy surfaces (PP, PE).
2242	Low tack. Printable.	0.048	CL	PVC film / rubber resin	0.7	-	-	-10°C to +60°C	Masking and protective applications of metals, plastic, wood panels and low energy surfaces (PP, PE).
2244	Low tack. Printable.	0.052	R	PVC film / rubber resin	0.7	-	-	-10°C to +60°C	Masking and protective applications of metals, plastic, wood panels and low energy surfaces (PP, PE).
1433	An all weather UV stabilised PE film tape. Excellent UV resistance. Good oil, salt water and plasticiser resistance. Good adhesion to difficult surfaces.	0.15	TL, GR	Polyethylene film / acrylic	7.5	-	-	-20°C to +80°C	Sealing and splicing applications, repairing cracks in rigid plastic and glass, protection of painted surfaces.
6097	Plasticised PVC adhesive tape.	0.125	BL	PVC film / rubber resin	2	-	-	Up to +70°C	Car bumper protection during finishing process, long-term masking tape for fragile surfaces (wood, paint or varnish).
9830	Single-sided liner heavy duty paper tape, recommended for protecting and masking applications.	0.39	BE	Flat paper carrier / rubber resin	20	-	-	Up to +80°C	Suitable for protection of different materials: glass, metals, etc.
AS70507	Surface protection tape with a good wetting performance for various substrates. Clear polyester release liner.	0.07	TP	Polyester / low tack acrylic	<1	-	-	-15°C to +130°C (+150°C)	Protection for electronic devices, protection of metal frames, temporary fixing.



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