ATL COMPOSITES

OFFICIAL AIRTECH
DISTRIBUTOR FOR AUSTRALIA

AIRTECH
ADVANCED MATERIALS GROUP

Vacuum Bagging & Resin Infusion Solutions

MARINE

AEROSPACE

AUTOMOTIVE

DEFENCE

INDUSTRIAL

AUSTRALIA SUPPORT

THE FUTURE IS STRONGER WITH
ATL COMPOSITES

ENGINEERED FOR
PERFORMANCE

AIRTECH International is the world's largest manufacturer of vacuum bagging and composite tooling materials.

Since 1973, AIRTECH has pioneered the materials that shape high-performance composites. Our solutions are trusted across aerospace, marine, wind energy, automotive, racing and general composites industries.

With deep process expertise, global quality standards and a commitment to innovation, AIRTECH delivers the materials and support that help you build with confidence.

50+ YEARS OF INNOVATION

7+ INDUSTRIES SERVED

AU LOCAL STOCK AND SUPPORT

CONTENTS

WHY AIRTECH / ATL

GLOBAL LEADER
AIRTECH is a global leader in vacuum bagging and composite tooling materials.

INDUSTRY TRUSTED
Trusted across aerospace, marine, wind energy, automotive, racing and general composites.

COMPLETE RANGE
Broad product range for infusion, vacuum bagging, wet lay-up and advanced composite processes.

TECHNICAL PARTNER
More than a manufacturer - a technical partner focused on your success.

LOCAL SUPPORT
Supplied and supported locally by ATL Composites in Australia.

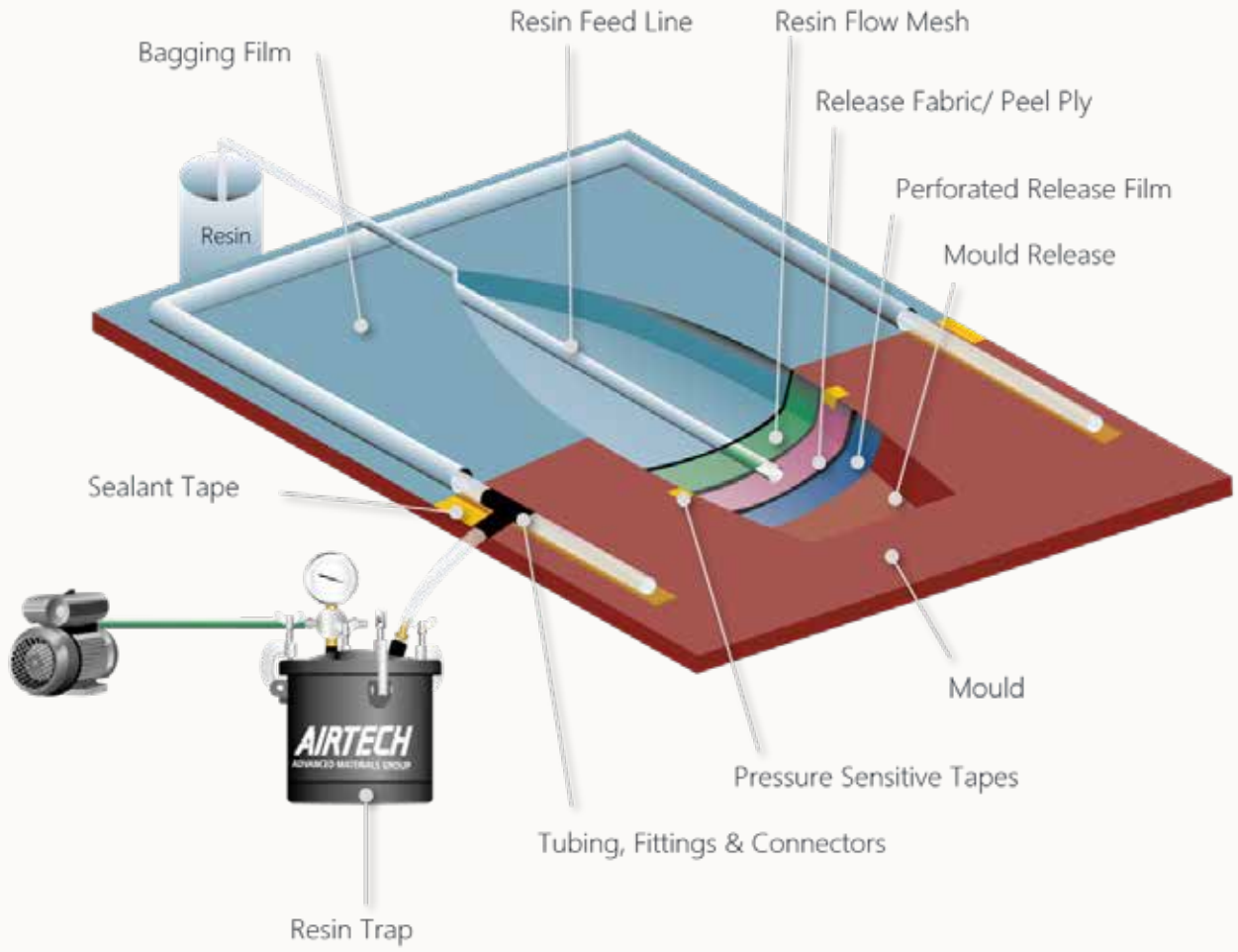
ATL OFFERS A COMPLETE PROCESS SOLUTION

ATL Composites supplies a complete range of consumables, process materials and equipment for vacuum bagging and resin infusion.

The range includes peel plies, release films, flow media, breather materials, sealant tapes, tubing and infusion fittings, together with vacuum pumps supplied ready for composite processing applications.

Products are available for conventional wet laminate vacuum bagging, resin infusion, mould preparation and general composite production.

BUILDING A COMPLETE RESIN INFUSION OR VACUUM PROCESS



NEED HELP SELECTING A SYSTEM?

ATL's technical team can assist with consumable selection, process temperatures, film widths, vacuum requirements and system configuration.

PEEL PLY

Nylon Peel Ply is applied directly over the laminate to produce a clean, textured, contamination-free surface after cure. It peels away cleanly, reducing surface preparation and providing an ideal surface for secondary bonding, coating and painting—often eliminating the need for sanding. Available in two trace options to suit different process temperatures and application requirements.

PROCESS TEMP
210°C

ATL
BLUE TRACE - HIGH TEMPERATURE

Designed for high-temperature cure cycles and demanding composite applications where thermal stability and consistent performance are critical.

PROCESS TEMP
190°C

ATL
RED TRACE - WORKHORSE

Optimised for everyday vacuum bagging and resin infusion processes, delivering reliable release and a clean, textured surface ready for secondary operations.

PART	TRACE	DESCRIPTION	PROCESS TEMP	WEIGHT GSM	WIDTH MM	LENGTH LM
0V771		NYLON PEEL-PLY WHITE	210°C	105	1300	100
5V771		NYLON PEEL-PLY WHITE	210°C	105	1300	50
1V771		NYLON PEEL-PLY WHITE	210°C	105	1300	10
0V769		NYLON PEEL-PLY WHITE	190°C	85	1300	100
1V769		NYLON PEEL-PLY WHITE	190°C	85	1300	10
V769T250		NYLON PEEL-PLY WHITE	190°C	85	250	100

RELEASE FILM

Release films are used to separate laminate and consumable layers while controlling resin flow or bleed. Perforation type and film construction can be selected to suit infusion or conventional wet laminate vacuum bagging.

AIRTECH
Dahlar® 125R NON PERFORATED | PREPREG
140°C PROCESS TEMP
Economical, tear-resistant film that reduces bridging and wrinkles - improving surface finish and cutting rework.

TEFLON
PTFE Film REUSABLE | MOULD SURFACING
Clean, low-friction release barrier for plug and mould surfaces.
Reusable across multiple pulls.

AIRTECH
Dahlar® 125 WET LAMINATE VACUUM BAGGING
140°C PROCESS TEMP
Economical, tear-resistant film that reduces bridging and wrinkles - improving surface finish and cutting rework.

PERFORATION	HOLE DIAMETER	HOLE SPACING
P3	0.381mm	Staggered / 6.3mm centres

AIRTECH
Wrightlon® 3700 INFUSION
121°C PROCESS TEMP
Blue release film for low-to medium temperature processing.
Reliable release from epoxy, polyester and vinyl ester resin systems.

PERFORATION	HOLE DIAMETER	HOLE SPACING
P16	0.4mm	Staggered / 3mm centres

PART	DESCRIPTION	PROCESS TEMP	THICKNESS MM	WIDTH MM	LENGTH LM	FORM
0WL370P16	WRIGHTLON WL3700: RELEASE FILM P16 PERFORATION	121°C	0.025	1520	609	SHEET
0DAH125P3	DAHLAR125: RELEASE FILM P3 PERFORATION	140°C	0.025	1520	304	SHEET
0DAH125R	DAHLAR125R: RELEASE FILM NON PERFORATED	140°C	0.025	1520	304	SHEET
0TEFLON	PTFE TEFLON FILM	-	-	1000	50	SHEET

INFUSION FLOWMESH

Infusion Flow Mesh promotes fast, uniform resin distribution throughout the part during vacuum infusion. Engineered to improve resin flow, reduce dry spots and minimise waste, the range supports efficient processing across epoxy, polyester and vinyl ester resin systems.

PROCESS TEMP
150°C

AIRTECH
GREENFLOW® 75

Low-profile extruded flow mesh designed for fast, efficient resin distribution with minimal waste. Its tight construction provides consistent flow with polyester, vinyl ester and epoxy resin systems.

CONSTRUCTION EXTRUDED | APPLICATION INFUSION | WIDTH 1040 mm

PROCESS TEMP
100°C

AIRTECH
RESINFLOW® 60

Low-profile flow mesh designed for slower, more controlled resin distribution. Its directional mesh flows faster lengthwise than across the width, helping tune infusion flow and improve surface finish.

CONSTRUCTION EXTRUDED | APPLICATION INFUSION | WIDTH 1520 mm

PART	DESCRIPTION	PROCESS TEMP	THICKNESS MM	WIDTH MM	LENGTH LM	FORM
0GF750104	GREENFLOW75: INFUSION EXTRUDED GREEN MESH	150°C	0.9	1040	106	SHEET
0V900	RESIN FLOW60: INFUSION EXTRUDED RED MESH	100°C	1.3	1520	106	SHEET

FLOW MESH + RELEASE FILM

Combination products combine infusion flow mesh and perforated release film in a single layer, reducing lay-up time and the need for positioning adhesives while supporting controlled resin distribution and clean removal after cure.

PROCESS TEMP
121°C

AIRTECH
FLOWLEASE GREENFLOW® MESH +RELEASE FILM

Flowlease 75-37P16 combines Greenflow® 75 flow mesh with Wrightlon® 3700 P16 perforated release film in a single layer for resin infusion. Its low-profile, tightly constructed mesh supports efficient resin distribution with minimal waste, while reducing lay-up time and labour by applying both materials in one operation.

CONSTRUCTION EXTRUDED | APPLICATION INFUSION | WIDTH 1520 mm

PERFORATION P16 | HOLE DIAMETER 0.4mm | HOLE SPACING Staggered / 3mm centres

P16 PERFORATION | INFUSION

PROCESS TEMP
115°C

AIRTECH
FLOWLEASE KNITFLOW® 160 MESH + RELEASE FILM

Flowlease combines Knitflow® 160 flow mesh with Wrightlon® 3700 P16 perforated release film to promote fast resin flow during infusion. The integrated format simplifies vacuum bag preparation, reduces setup time and minimises the adhesive needed to hold materials in place.

CONSTRUCTION KNITTED | APPLICATION INFUSION | WIDTH 1520 mm

PERFORATION P16 | HOLE DIAMETER 0.4mm | HOLE SPACING Staggered / 3mm centres

P16 PERFORATION | INFUSION

PART	DESCRIPTION	PROCESS TEMP	WIDTH MM	LENGTH LM
7537P16	GREENFLOW75 MESH & WL3700 RELEASE FILM P16	121°C	1520	106
16037P16	KNITFLOW 160 KNITTED MESH & WL3700 RELEASE FILM P16	115°C	1520	106

VACUUM BAGGING FILM

Vacuum bagging films form the sealed envelope required to maintain vacuum pressure across the laminate throughout processing. Film selection is determined by cure temperature, part size and geometry, elongation requirements and bag configuration to support reliable sealing, conformity and process control.

AIRTECH

L100 BIG BLUE

GENERAL PURPOSE BAG FILM

BigBlue L-100® is a wide-format, multi-layer vacuum bagging film designed for large composite parts, reducing the need for seams, simplify bag preparation and minimise potential leak paths in resin infusion and wet lay-up processes.

PROCESS TEMP	THICKNESS	WIDTHS
121°C	75 µm	4 / 6 / 10 / 12M

APPLICATION

INFUSION | WET LAMINATION

AIRTECH

WRIGHTLON® 600V

GENERAL PURPOSE BAG FILM

Wrightlon® 600V is a high-performance nylon vacuum bagging film engineered for demanding commercial and high-pressure autoclave cure cycles. Its high strength and elongation allow it to conform reliably over complex parts, while maintaining flexibility in low-humidity conditions to support consistent vacuum integrity and high-quality composite processing.

PROCESS TEMP	THICKNESS	WIDTHS
204°C	50 µm	UP TO 3.04M

APPLICATION

INFUSION | WET LAMINATION

PART	DESCRIPTION	PROCESS TEMP	THICKNESS MM	WIDTH MM	LENGTH LM	FORM
0BB10004	L100 BIG BLUE: MULTILAYER FILM	121°C	0.075	4000	170	W FOLD
0BB10006	L100 BIG BLUE: MULTILAYER FILM	121°C	0.075	6000	110	W FOLD
0BB10010	L100 BIG BLUE: MULTILAYER FILM	121°C	0.075	10000	67	W FOLD
0BB10012	L100 BIG BLUE: MULTILAYER FILM	121°C	0.075	12000	56	W FOLD
0WL60V15T	WRIGHTLON 600V VIOLET FILM	204°C	0.050	1520	304	LAY FLAT TUBE
0WL60V152	WRIGHTLON 600V VIOLET FILM	204°C	0.050	1520	304	SHEET
0WL60V304	WRIGHTLON 600V VIOLET FILM	204°C	0.050	3040	304	CENTRE FOLD SHEET

TYPICAL VACUUM AND INFUSION FILMS FORM TYPES

SHEET | CENTERFOLD | LAY FLAT TUBING | W FOLD

SELECTING THE RIGHT BAGGING FILM

1. PROCESS TEMPERATURE

Select a film with a maximum service temperature comfortably above the expected cure or processing temperature.

2. RESIN & CHEMICAL COMPATIBILITY

Confirm the film is compatible with the resin system, solvents and other processing materials being used.

3. ELONGATION AND CON-FORMABILITY

Complex moulds, deep draws and tight corners require a film with sufficient elongation to conform without bridging or excessive stress.

4. FILM WIDTH AND FORMAT

Choose a width and fold format that minimise seams, reduces preparation time and provides enough material for pleats and movement under vacuum.

BREATHER / BLEEDER

Breather / bleeder materials help maintain air evacuation pathways within the bagging stack. They support even pressure distribution and can contribute to improved laminate consolidation and surface finish.

PROCESS TEMP
170°C

ATL

ECONOBLEED BREATHER/BLEEDER

Econobleed is a non woven polyester breather/bleeder with a medium-weight, low-profile and highly drapable construction. It conforms readily over contoured surfaces while supporting effective air evacuation, laminate compaction and controlled resin bleed during room- and elevated-temperature vacuum bagging processes.

PROCESS TEMP
204°C

AIRTECH

AIRWEAVE® N4 BREATHER/BLEEDER

Airweave® N4 is a medium-weight, non-woven polyester breather/bleeder designed for low-pressure curing. Its conformable structure promotes reliable air evacuation and controlled resin bleed across the laminate, supporting consistent compaction and processing performance.

PART	DESCRIPTION	PROCESS TEMP	WEIGHT GSM	WIDTH MM	LENGTH LM
0V724	ECONOBLEED: BREATHER-BLEEDER	170°C	-	1450	24
0V728	AIRWEAVE N4: BREATHER-BLEEDER	204°C	140	1520	96

RESIN FEED CHANNEL

PROCESS TEMP
155°C

AIRTECH

FLOWSTRIP® CHANNEL

Flowstrip® is a lay-flat resin feed channel combining high-flow 3D mesh with a porous non-woven polyester sleeve. It is easy to cut, position and providing efficient resin delivery across the laminate while connecting simply to AIRTECH infusion fittings.

PART	DESCRIPTION	PROCESS TEMP	WIDTH MM	LENGTH LM	FORM
P4110	FLOWSTRIP LAY-FLAT RESIN FEED CHANNEL	155°C	100	100	LAY FLAT TUBE

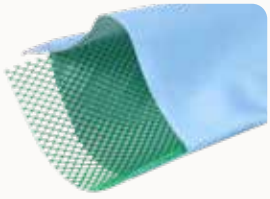
VACUUM BREATHER STRIP

PROCESS TEMP
125°C

AIRTECH

DAHLPAC® BREATHER STRIP

Dahlpac® MC79 is a breathable strip material combining Dahltexx® SP-2 with Greenflow® 75 to maintain consistent airflow across the laminate without resin bleed-out. It supports complete wet-out, helps prevent dry areas where flow fronts meet and simplifies vacuum bagging with minimal part mark-off.



PART	DESCRIPTION	PROCESS TEMP	WIDTH MM	LENGTH LM
V770	DAHLPAC MC79 LAY-FLAT TUBE	125°C	114	24

SEALANT & DOUBLE SIDED TAPES

Sealant and positioning tapes are used to secure bagging films. Reliable sealing performance is critical for maintaining vacuum integrity throughout the process.

PROCESS TEMP
204°C

AIRTECH

AT-200Y (YELLOW) TACKY TAPE

AT-200Y is a high-tack vacuum bag sealant tape designed to provide reliable adhesion to metal and composite tooling. It maintains a secure seal through elevated-temperature processing and removes cleanly after cure, helping minimise residue and reduce tool-cleaning time.

PROCESS TEMP
120°C

AIRTECH

AIRSEAL 1 (BLACK) TACKY TAPE

Airseal 1 is an economical multi-purpose sealant tape for room and medium temperature applications. Airseal 1 is suitable for cure applications up to 120°C. It has a good tack level so secure seals and strong bag hold can be achieved even in colder environments.

PROCESS TEMP
-

AIRTECH

AIRHOLD 10 CBS DOUBLE SIDED TAPE

Airhold 10 CBS is a double-sided, fabric-reinforced tape with a rubber-based adhesive on both sides. It securely holds spiral wrap, spiral tubing and other consumables in position during the resin infusion process. Its thick adhesive coating provides a strong, reliable hold.

PART	DESCRIPTION	PROCESS TEMP	THICKNESS MM	WIDTH MM	LENGTH LM
V720Y250	AT-200Y TACKY TAPE - SINGLE ROLL	204°C	3	12	15
V720Y250BX	AT-200Y TACKY TAPE - CARTON OF 20	204°C	3	12	15
AS15B	AIRSEAL 1 TACKY TAPE - SINGLE ROLL	120°C	3	12	15
AS15BBX	AIRSEAL 1 TACKY TAPE - CARTON OF 20	120°C	3	12	15
V840	AIRHOLD 10 CBS	-	0.279	25.4	33

VACUUM MONITORING & PROCESS ACCESSORIES

Vacuum Monitoring & Process Accessories support vacuum generation, pressure monitoring and leak detection, helping maintain process control and consistent vacuum bagging performance.

V740B

VACUUM BAGGING BREACH KIT

V740T

VENTURI VACUUM GENERATOR

V755

DIGITAL VACUUM GAUGE

PART	DESCRIPTION	FUNCTION
7V40B	VACUUM BAGGING BREACH KIT	VACUUM BAG ACCESS AND CONNECTION
V740T	VENTURI VACUUM GENERATOR	COMPRESSED-AIR VACUUM GENERATION
V755	DIGITAL VACUUM GAUGE	DIGITAL VACUUM MEASUREMENT

CONNECTORS, FITTINGS AND HOSES

Connectors, fittings and gauges help assemble and monitor the infusion circuit. These components play an important role in maintaining system integrity, managing hose routing and checking vacuum performance.

ATL

TUBING & SPIRAL WRAP

Polyethylene tubing is used to connect resin supply and vacuum equipment. Spiral wrap provides an open distribution pathway along the edge or surface of the laminate.

PART	DESCRIPTION	PROCESS TEMP	OUTSIDE DIAMETER	INSIDE DIAMETER	LENGTH LM
0V804	POLYETHYLENE TUBING	87°C	1/2"	3/8"	50
0V805	POLYETHYLENE TUBING	87°C	5/8"	1/2"	50
0V806	SPIRAL WRAP	100°C	-	12MM	20
0V807	SPIRAL WRAP	100°C	-	16MM	20

AIRTECH

INFUSION CONNECTORS AND FITTINGS

Infusion connectors and fittings create secure connection points for resin and vacuum lines, simplifying setup while supporting consistent flow and vacuum integrity.

V815

RESIN INFUSION CONNECTOR FITTING

ARCH BASE 1/2"

Quick connector designed with a 1/2" diameter hole, to fit vacuum hoses and spiral tubing.

V815FLAT

RESIN INFUSION CONNECTOR FITTING

FLAT BASE 1/2"

Flat base connector fitting designed for stable mounting on a flat surface.

V816

RESIN INFUSION CONNECTOR FITTING

ARCH BASE 5/8"

Quick connector designed with a 5/8" diameter hole, to fit vacuum hoses and spiral tubing.

V816FLAT

RESIN INFUSION CONNECTOR FITTING

FLAT BASE 5/8"

Flat base connector fitting with a 1/2" hose barb for secure resin and vacuum line connections.

ATL

V860

NYLON BARB

T-JOINT 8MM

Nylon barbed T-joint for branching vacuum or resin lines in the infusion systems.

ATL

V861

NYLON BARB

T-JOINT 12MM

Nylon barbed T-joint for branching vacuum or resin lines in the infusion systems.

PART	DESCRIPTION	PROCESS TEMP	OUTSIDE DIAMETER	FITTING TYPE
V815	RESIN INFUSION CONNECTOR FITTING — ARCH BASE	80°C	1/2"	ARCH BASE
V815FLAT	RESIN INFUSION CONNECTOR FITTING — FLAT BASE	80°C	1/2"	FLAT BASE
V816	RESIN INFUSION CONNECTOR FITTING — ARCH BASE	80°C	5/8"	ARCH BASE
V816FLAT	RESIN INFUSION CONNECTOR FITTING — FLAT BASE	80°C	5/8"	FLAT BASE
V860	NYLON BARBED T-JOINT	80°C	8 MM	T-JOINT
V861	NYLON BARBED T-JOINT	80°C	12 MM	T-JOINT

VACUUM PUMPS

Vacuum pumps are the foundation of the vacuum bagging and infusion process. ATL offers BUSCH® vacuum pumps in both dry vane and oil-lubricated rotary vane configurations to suit different workshop and production requirements.

BUSCH

DRY ROTARY VANE VACUUM PUMPS

Wet laminate vacuum bagging, vacuum bonding processing.

PART	DESCRIPTION	FLOW RATE	LUBRICATION TYPE	ACCESSORIES INCLUDED
V78008	ROTARY VANE VACUUM PUMP	8 M^3/HR	DRY	✓
V78010	ROTARY VANE VACUUM PUMP	10 M^3/HR	DRY	✓
V78016	ROTARY VANE VACUUM PUMP	16 M^3/HR	DRY	✓
V78025	ROTARY VANE VACUUM PUMP	25 M^3/HR	DRY	✓
V78040	ROTARY VANE VACUUM PUMP	40 M^3/HR	DRY	✓

DRY ROTARY VANE VACUUM PUMP

BUSCH

OIL-LUBRICATED ROTARY VANE VACUUM PUMPS

Resin infusion, larger laminates & demanding applications requiring deeper vacuum

PART	DESCRIPTION	FLOW RATE	LUBRICATION TYPE	ACCESSORIES INCLUDED
V79004	ROTARY VANE VACUUM PUMP	4 M^3/HR	OIL	✓
V79020	ROTARY VANE VACUUM PUMP	20 M^3/HR	OIL	✓
V79025	ROTARY VANE VACUUM PUMP	25 M^3/HR	OIL	✓
V79040	ROTARY VANE VACUUM PUMP	40 M^3/HR	OIL	✓

OIL LUBRICATED ROTARY VANE VACUUM PUMP

READY FOR WORKSHOP CONNECTION

All vacuum pumps are single-phase 240 V and supplied ready for use with:

Oil-filled vacuum gauge

Air bleed ball valve & filter
Valve inlet with 3/8" brass barb

Cassette type filter

3 pin electrical plug and lead

ABOUT ATL

ATL COMPOSITES

Australian formulation. Globally connected.

ATL Composites is an Australian manufacturer of advanced materials, specialising in epoxy systems, structural adhesives, and engineered composite solutions.

Since 1977, ATL has supported engineers and manufacturers in delivering lighter, stronger, and more efficient structures across marine, defence, transport, and industrial sectors.

From formulation to finished structure, ATL provides integrated material systems engineered for performance, reliability, and long-term durability.

ENGINEERED. MANUFACTURED. PROVEN.

SINCE 1977

AUSTRALIAN MANUFACTURE
Formulated and made in-house in Australia

ENGINEERING EXCELLENCE
In-house chemists, engineers and R&D team

CERTIFIED QUALITY
ISO 9001:2015 Certified

ATL COMPOSITES GLOBAL NETWORK

THE ATL PRODUCT FAMILY

KINETIX®
EPOXY LAMINATING & COATING SYSTEMS

TECHNIGLUE®
STRUCTURAL EPOXY ADHESIVES

TECHNIREZ®
ENGINEERED EPOXY SYSTEMS

TECHNIFILL®
FAIRING AND FINISHING EPOXY SYSTEMS

DUFLEX®
ENGINEERED COMPOSITE PANELS

WEST SYSTEM®
HIGH-PERFORMANCE EPOXY SYSTEMS

COOSA®
HIGH-PERFORMANCE COMPOSITE BOARDS

DIAB®
ENGINEERED FOAM CORE MATERIALS

AIRTECH®
ADVANCED VACUUM & INFUSION SYSTEMS

BUSCH®
MARKET LEADING VACUUM SOLUTIONS

DURATEC®
COMPOSITE SURFACING & FINISHING SYSTEMS

MARKETS WE SERVE

DEFENCE | AUTOMOTIVE | ARCHITECTURAL
AEROSPACE | MARINE | 7+ MARKETS
INDUSTRIAL | SPORTS

ATL
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AIRTECH
ADVANCED MATERIALS GROUP

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