Adding more to adhesive tape

MARINE PRODUCT RANGE

2027/28



Advance Tapes, a UK leading manufacturer and supplier of high quality adhesive tapes

ADVANCE®

MARINE

PROFESSIONAL QUALITY MARINE TAPES

Advance Tapes is well represented within the Ship Building and Marine market. We manufacture a substantial range of high performance adhesive cloth and foil tapes.

These are a result of product development in conjunction with manufacturers and maintenance teams. Adhesive formulations have been developed to create surface bonds that increase in parallel with temperatures.

Our Marine adhesive tape product range offers a variety of material weights and finishes in response to the market needs.

To make it easy to select the right tape for the job, we have consolidated all key technical product information and features into one easy-to-use brochure.

The products included in this brochure are a selection from our extensive range. There is more information for the market products available, which can be found on our website **www.advancetapes.com**

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ADVANCE

AT163 - All Weather Duct Tape

Features
- Strong
- High tack
- Thermosetting adhesive
- Clean peel from most surfaces* up to +110°C
- Conformable
- Water and Salt Water resistant
- Abrasion resistant

Applications
- Used in extreme environments like oil and gas platforms
- Joint sealing on metal or plastic ducting
- Masking for shot blasting
- Shot blast protection
- Shot peening process protection
- High temperature duct sealing

Adhesive type
Solvent free rubber-resin

Technical
Thickness: 0.30 mm
Breaking Load: 70 N/cm
Elongation: 30%
Adhesion to Steel: 7.4 N/cm
Adhesion to Self: 3.2 N/cm
Service Temperature: -50°C to +110°C
RoHS Compliant: Yes

Standard colour



AT171 - Polycloth Laminate Tape

Features
- Very high initial tack
- Easy tear and unwind
- Good abrasion resistance
- Water resistant finish
- Conformable to awkward shapes

Applications
- Joining and sealing protection sheeting
- Installing airlocks in enclosures
- Standard duct tape

Adhesive type
Solvent free rubber-resin

Technical
Thickness: 0.18 mm
Breaking load: 30 N/cm
Elongation: 15%
Adhesion to steel: 3.7 N/cm
Adhesion to self: 2.3 N/cm
Service temperature: -50°C to +65°C
RoHS compliant: Yes

Standard Colours



AT2002 - High Specification Flame Retardant Cloth Tape

Features
- Flame retardant - conforms to FAR 25.853
- Specification printed onto tape for easy identification
- Clean peel from most surfaces* up to 4 days at +50°C
- Excellent adhesion level
- Water and abrasion resistant

Applications
- Protection and joining during building and/or maintenance of ships and submarines.
- Sealings gaps between flame retardant panels.
- Joining hardboard partitions in cargo holds.
- Jointing of FR material on offshore oil rigs.

Adhesive type
Solvent free rubber-resin

Technical
Thickness: 0.23 mm
Breaking Load: 38 N/cm
Elongation: 45%
Adhesion to Steel: 6.0 N/cm
Adhesion to Self: 4.5 N/cm
Service Temperature: -10°C to +60°C RoHS Compliant: Yes

Specification
Meets Federal Aviation specification FAR 25.853 covering flame retardancy.

Standard colour



AT10 - PVC Heavy Duty Pipewrap Tape

Features
- Flame retardant and self-extinguishing
- Conformable
- Water and UV resistant
- Abrasion resistant

Applications
- Corrosion protection for pipework above or under ground.
- Barrier tape for corrosion between dissimilar metals

Adhesive type
Cross-linked solvent based rubber-resin

Technical
Thickness: 0.25 mm
Breaking Load: 44 N/cm
Elongation: 220%
Adhesion to Steel: 3.3 N/cm
Adhesion to Self: 3.0 N/cm
Service Temperature: -5°C to +80°C
Breakdown Voltage: 10 kV
RoHS Compliant: Yes

Specification
Conforms to BS EN 60454-3-1 Type 2

Standard colour



AT2000 - Anti Slip Tape

Features
- Durable PVC
- Can be walked on immediately after application
- Water, UV and oil resistant
- For indoor and outdoor use
- Acrylic adhesive - bond improves with age

Applications
- Anti slip tread on stairs and ladder treads.
- Anti slip tread on machinery and vehicle footplates.
- For use on wet or slippery areas.
- Provides extra grip on ramps and walkways.

Adhesive type
Solvent based acrylic

Technical
Thickness: 1.0 mm
Breaking Load: 40 N/cm
Elongation: 100%
Adhesion to Steel: 4.0 N/cm
Service Temperature: -5°C to +50°C
RoHS Compliant: Yes

Standard colours



AT8 / AT8H - Lane Marking Tape & Hazard Warning Tape

Features
- Very high level of adhesion
- Low stretch PVC
- Good abrasion resistance
- Can be walked on immediately after application
- Water and UV resistant
- For indoor and outdoor use

Applications
- Demarcation of gangways within factories and warehouses.
- BLACK/YELLOW: Radioactive substances, Width and height restrictions, Moving equipment and obstructions.
- RED/WHITE: Firefighting equipment, No smoking areas, Flammable substances.
- GREEN/ WHITE: Safety equipment, First aid points, Emergency escape routes, Safe areas.

Adhesive type
Cross-linked solvent based rubber-resin

Technical
Thickness: 0.14 mm
Breaking Load: 26 N/cm
Elongation: 150%
Adhesion to Steel: 3.5 N/cm
Adhesion to Self: 2.5 N/cm
Service Temperature: 0°C to +60°C
RoHS Compliant: Yes

Standard colours





AT44 - Low Tack PVC Protection Tape

Features
- Low tack
- Clean peel from most surfaces*
- Flame retardant
- Conformable
- Water and UV resistant
- Abrasion resistant

Applications
- Flame retardant tape for protection on or against delicate surfaces such as brass fittings.
- Outdoor protection and masking, especially where risk of fire is an issue.
- Aluminium extrusions protection.

Adhesive type
Solvent based rubber-resin

Technical
Thickness: 0.13 mm
Breaking Load: 23 N/cm
Elongation: 150%
Adhesion to Steel: 0.3 N/cm
Service Temperature: 0°C to +60°C
RoHS Compliant: Yes

Standard colour



AT66 - PVC Protection Tape

Features
- Medium tack
- Clean peel from most surfaces* up to 4 weeks
- Water and UV resistant
- Abrasion resistant
- Resistant to low temperatures

Applications
- Masking off and protection.
- Protection of surfaces during manufacturing process in the ship building industry.
- General use protection tape

Adhesive type
Cross-linked solvent based rubber-resin

Technical
Thickness: 0.13 mm
Breaking Load: 26 N/cm
Elongation: 140%
Adhesion to Steel: 1.7 N/cm
Service Temperature: -5°C to +60°C
RoHS Compliant: Yes

Standard colours



AT6102 - Polythene Protection Tape

Features
- Easy to unwind and tear
- Clean peel from most surfaces*
- Water and UV resistant
- Frost resistant
- Resistant to low temperatures
- Environmentally responsible choice

Applications
- Protection, masking and joining of sheeting to delicate surfaces during renovation
- Protection of finished goods in production or during transit

Adhesive type
Dispersion acrylic

Technical
Thickness: 0.11 mm
Breaking Load: 15 N/cm
Elongation: 200%
Adhesion to Steel: 1.3 N/cm
Service Temperature: -40°C to +60°C
RoHS Compliant: Yes

Standard colour



AT7 - PVC Electrical Insulation Tape



Features
- Flame retardant and self-extinguishing
- Easy unwind and tear
- UV resistant
- Available in colour coding packs
- Wide range of colours

Applications
- Colour coding and insulation of electrical cabling.
- Colour coding components, intermediate stock and finished goods during manufacture.
- Masking and protection of ship portholes.

Technical
Thickness: 0.13 mm
Breaking Load: 26 N/cm
Elongation: 180%
Adhesion to Steel: 2.4 N/cm
Adhesion to Self: 2.1 N/cm
Service Temperature: -5°C to +70°C
Breakdown Voltage: 8.0 kV
RoHS Compliant: Yes

Specification
Conforms to BS EN 60454/Type 2 and BS 4J10:1991

Standard colours

Adhesive type
Cross-linked solvent based rubber-resin

AT79 - High Performance Polythene Self Amalgamating Tape

Features
- Easy unwind
- Conformable
- Resistant to high and low temperatures
- Water and UV resistant
- Suitable for outdoor use
- Resistant to a wide range of chemicals including, alkalis, hydraulic fluids and vegetable oils

Technical
Thickness: 0.75 mm
Breaking Load: 12 N/cm
Elongation: 600%
Service Temperature: -35°C to +130°C
Breakdown Voltage: 34 kV/mm
RoHS Compliant: Yes



Applications
- Finishing and sealing cables and ends of ropes
- Waterproofing electrical joints between cables

Standard colour

AT87 - Polyisobutylene Self Amalgamating Tape

Features
- Easy unwind
- Conformable
- Resistant to high and low temperatures
- Water and UV resistant
- Ozone resistant
- Resistant to a wide range of chemicals including, alkalis, hydraulic fluids and vegetable oils

Technical
Thickness: 0.5 mm
Breaking Load: 20 N/cm
Elongation: 600%
Service Temperature: -30°C to +100°C
Breakdown Voltage: 17 kV/mm
RoHS Compliant: Yes



Applications
- Insulation and waterproofing of electrical connections.
- Temporary and emergency repair of plumbing joints.

Standard colour

AT506 - Aluminium Foil Tape

Features
- Flame retardant and self-extinguishing
- Resistant to high temperatures
- Easy unwind and tear
- Excellent water vapour resistance
- Available in different foil thickness: AT502 (30 micron), AT500 (40 micron) and AT506 (50 micron)

Applications
- Sealing metal or plastic ducting.
- Insulation of heater casings and pipe insulation.
- Sealing cold store insulation.
- Heat reflection.
- Sealing gaps around wielding screens/frames

Adhesive type
Dispersion acrylic

Technical
Service Temp: -40°C to +110°C

Specification
Conforms to: - BS476 Part 6 & Part 7
Category 1 - Fire Class M1 - Class O

Standard colour



AT4003 - Glass Cloth Tape Class H 180°C

Features
- High mechanical strength
- High temperature resistance
- Thermosetting adhesive
- Conforms to BS EN 60454-3-8 Type 3

Applications
- Flame retardant heat resistant tape for high temp areas like the engine rooms
- Tensional strapping of coils and armature windings.
- Strapping of high temp insulation

Adhesive type
Silicone

Technical
Thickness: 0.18 mm
Breaking Load: 280 N/cm
Elongation: 5%
Adhesion to Steel: 3.0 N/cm
Breakdown Voltage: 2.5 kV
RoHS Compliant: Yes

Specification
Recognised by UL. BS EN 60454-3-8 Type 3

Standard colour

AT6160 - High Tack PE Performance Tape

Features
- High tack
- High adhesion to low surface energy substrates
- Flexible at low temperatures
- Abrasion resistant
- Water and weathering resistant

Applications
- Cocooning for boat and equipment storage.
- Sealing of containment areas during renovation

Adhesive type
Solvent based rubber-resin

Technical
Thickness: 0.20 mm
Breaking Load: 27 N/cm
Elongation: 400 %
Adhesion to Steel: 3.5 N/cm
Adhesion to Self: 3.0 N/cm
Service Temperature: -5°C to +50°C
RoHS Compliant: Yes

Standard colour



DISTRIBUTED BY

Advance Tapes International Ltd
Westmoreland Avenue
Thurmaston
LE4 8PH, England

Call: 00 44 (0)116 251 0191
Fax: 00 44 (0)116 265 2046
Email: sales@advancetapes.com
www.advancetapes.com

Disclaimer: Tape performance in multiple applications can be affected by various factors. These factors are often not within the control of Advance Tapes. Having better knowledge and control of individual applications and method of use, end users of the product are responsible for evaluating the suitability for a particular application and for identifying that the product is fit for the purpose. Customers should satisfy themselves that the tape is suitable for their requirements in a particular application prior to use.