Adding more to adhesive tape

WEATHER CONTAINMENT RANGE

2027/28



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

ADVANCE

WEATHER CONTAINMENT

PROFESSIONAL WEATHER PROTECTION TAPES

Advance Tapes is well represented within the weather protection 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 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**

CLOTH TAPES AND PVC TAPES

AT163 - All Weather Duct Tape	03
AT171 - Polycloth Laminate Tape	03
AT10 - PVC Heavy Duty Pipewrap Tape	03
AT2000 - Anti Slip Tape	04
AT8 / AT8H - Lane Marking Tape & Hazard Warning Tape	04

PERFORMANCE TAPES

AT30 - Polythene Tape	07
AT506 - Aluminium Foil Tape	07
AT6160 - High Tack PE Performance Tape	07

PROTECTION TAPES

AT5 - Jointing PVC Tape	05
AT66 - PVC Protection Tape	05
AT6102 - Polythene Protection Tape	05

ELECTRICAL AND POLYTHENE TAPE

AT7 - PVC Electrical Insulation Tape	06
AT87 - Polyisobutylene Self Amalgamating Tape	06
AT6103 - Clear Polythene Tape	06

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
- 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



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

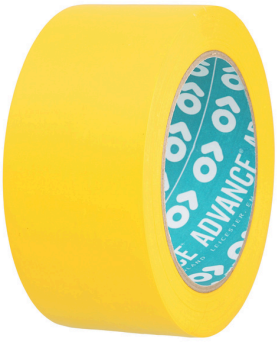
Features
- Very high level of adhesion
- Low stretch PVC
- Good abrasion resistance
- Can be walked on immediately after application
- Water and UV resistant
- For indoor and outdoor use

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





Find out more information : www.advancetapes.com

AT5 - Jointing PVC Tape

Features
- Low stretch – will not lift once applied
- Very high adhesion level
- UV & water resistant
- Abrasion resistant
- For indoor and outdoor use
- Non-corrosive adhesive

Technical
Thickness: 0.12 mm
Breaking Load: 23 N/cm
Elongation: 130%
Adhesion to Steel: 1.7 N/cm
Adhesion to Self: 1.6 N/cm
Service Temperature: 0°C to +70°C
RoHS Compliant: Yes

Standard colour



Applications
- Long term UV resistance
- Masking off and protection.
- Protection of surfaces during manufacturing process
- General use protection tape

Adhesive type
Cross-linked solvent based rubber-resin

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

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



Applications
- Masking off and protection.
- Protection of surfaces during manufacturing
- General use protection tape

Adhesive type
Cross-linked solvent based rubber-resin

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

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



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

AT6103 - Clear Polythene Tape

Features

- Excellent clarity once applied
- Clean peel from most surfaces*
- Resists most common solvents
- Water and UV resistant
- Abrasion resistant
- Environmentally responsible choice

Applications

- Protection, masking and joining of sheeting to delicate surfaces during renovation
- Protection of finished goods in production or during transit
- Polytunnels
- Sealing polycarbonate roofing

Adhesive type
Dispersion acrylic

Technical
Thickness: 0.11 mm
Breaking Load: 25 N/cm
Elongation: 300 %
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 cables

Adhesive type
Cross-linked solvent based rubber-resin

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



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

Applications

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

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

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 welding 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



AT30 - Polythene Tape

Features
- Easy unwind
- Conformable
- Extreme temperature resistance
- Water resistant
- Abrasion resistant

Applications
- Sealing damp proof membranes
- Silage bales (wrap)

Adhesive type
Solvent based rubber-resin

Technical
Thickness: 0.15 mm
Breaking Load: 16 N/cm
Elongation: 300%
Adhesion to Steel: 3.5 N/cm
Adhesion to Self: 2.2 N/cm
Service Temperature: -40°C to +90°C
RoHS Compliant: Yes

Specification
Conforms to DEF. STAN. reference 81-145 / 1

Standard colours



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.