

Adding more to adhesive tape

DEFENCE TAPE RANGE

2026/27



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





PROFESSIONAL QUALITY DEFENCE TAPES

Advance Tapes has been well represented across the defence sector for over 50 years. We manufacture a substantial range of high performance adhesive tapes that are used around the world across a series of different use cases and applications.

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 and meet the DEF STAN certification.

Our Defence 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

CONFORMS TO DEF STAN. 81-145/3

AT27 - Translucent Repair Tape 03

CONFORMS TO DEF. STAN. 81-145 / 1

AT30 - Polythene Tape 03

CONFORMS TO DEF. STAN. 81-145/2

AT121 - Rayon Cloth Tape 03

Conforms to DEF. STAN. 81-145 2a

AT160 - Premium Quality Matt Waterproof Cloth Tape 04

Conforms to DEF. STAN. 81-145 2a

AT180 - Premium Industrial Waterproof Cloth Tape 04

AT27 - Translucent Repair Tape

Features

-  Translucent
-  Flame retardant and self extinguishing
-  Conformable
-  High temperature resistant
-  Water and UV Resistant
-  Abrasion Resistant

Applications

- Temporary holding of rivets during aircraft maintenance and repair
- Protection of documents and maps
- Protection of painted surfaces
- Protection of labels in extreme environments

Adhesive type

Solvent based rubber-resin

Technical

Thickness: 0.15 mm
 Breaking Load: 26 N/cm
 Elongation: 130%
 Adhesion to Steel: 3.5 N/cm
 Adhesion to Self: 2.8 N/cm
 Service Temperature: 0°C to +70°C
 RoHS Compliant: Yes

Specification

Conforms to DEF STAN. reference 81-145/3

Standard colour



AT30 - Polythene Tape

Features

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

Applications

- Joining and sealing polyethylene sheeting.
- Waterproofing and sealing

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



AT121 - Rayon Cloth Tape

Features

-  Biodegradable
-  Strong
-  Abrasion resistant
-  Conformable
-  Writable surface

Applications

- Strapping of equipment handles
- Binding of nylon cords on military parachutes
- Reinforcement and sealing
- Abrasion protection

Adhesive type

Solvent free rubber-resin

Technical

Thickness: 0.25 mm
 Breaking Load: 75 N/cm
 Elongation: 10%
 Adhesion to Steel: 3.5 N/cm
 Service Temperature: -10°C to +60°C
 RoHS Compliant: Yes

Specification

Conforms to DEF. STAN. reference 81-145 / 2

Standard colour



AT160 - Premium Quality Matt Waterproof Cloth Tape

Features

- Very strong
- Conformable
- Water resistant
- Abrasion and puncture resistant
- Very good long term resistance to outdoor exposure
- Wide colour range

Applications

- Protection of turbine blades during refurbishment.
- Joining heavy duty PE sheeting.
- Abrasion and damage protection
- Waterproofing

Adhesive type

Solvent free rubber-resin

Technical

Thickness: 0.33 mm
Breaking Load: 85 N/cm
Elongation: 8%
Adhesion to Steel: 3.5 N/cm
Adhesion to Self: 2.2 N/cm
Service Temperature: -50°C to +80°C
RoHS Compliant: Yes

Specification

Conforms to DEF. STAN. reference 81-145 2a

Standard colours



AT180 - Premium Industrial Waterproof Cloth Tape

Features

- Strong
- High tack
- Very long term outdoor exposure
- Clean peel from most surfaces
- Water resistant
- Abrasion resistant

Applications

- Masking off during cleaning.
- Abrasion and damage protection of equipment.
- Temporary repairs.
- To create waterproof closures around containers.

Adhesive type

Solvent free rubber-resin

Technical

Thickness: 0.28 mm
Breaking Load: 65 N/cm
Elongation: 30%
Adhesion to Steel: 4.5 N/cm
Adhesion to Self: 3.0 N/cm
Service Temperature: -50°C to +80°C
RoHS Compliant: Yes

Specification

Conforms to DEF. STAN. reference 81-145 2a

Standard colours



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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.

DISTRIBUTED BY

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