

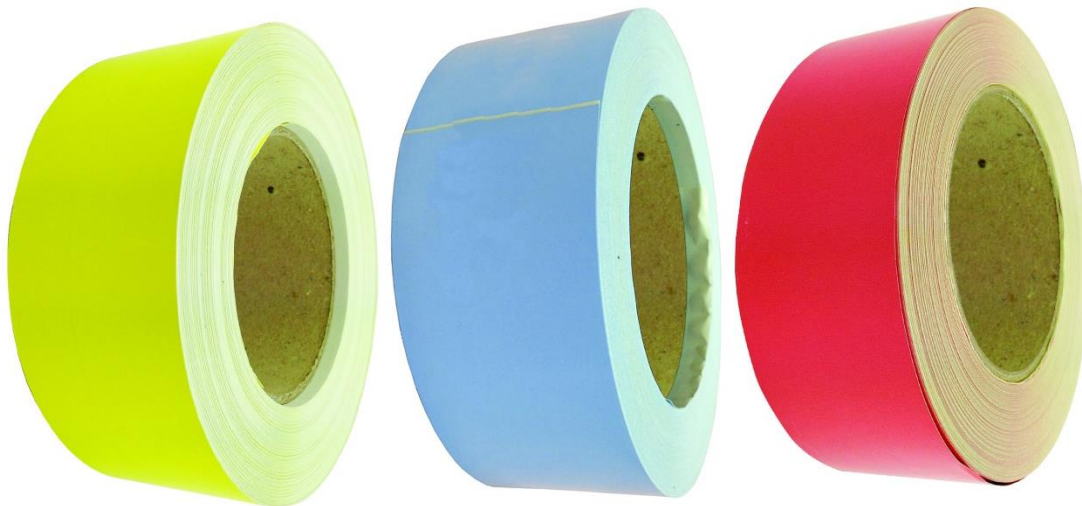
BST METAL DETECTABLE TAPE

FEATURING AN ALUMINIUM CORE & PERMANENT ADHESIVE

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Product Specifications

PR1DAT* | Revised September 2018



Product Description: BST Metal Detectable Self Adhesive Tape is a paper / foil laminate construction coated with a hot melt adhesive. The construction is a 100gsm machine glazed wood free paper laminated to a 7µ aluminium foil, which provides the metal detectability of the tape.

The adhesive is a high coat weight rubber based hot melt designed to give superior initial tack on moist, rough or difficult surfaces. The components of the adhesive comply with FDA regulation 175.105 on indirect food contact. The glassine liner is designed for use on automatic applicators if required.

This metal detectable tape is suitable for a variety of food processing applications such as labelling (E.g. Quality Control), securing items where regular tapes are not allowed, packaging products where regular packaging tapes represent a foreign body risk, light engineering applications and also asset management such as labelling machinery or tools. By using metal detectable tape you are displaying due diligence in the prevention of foreign body contamination.

Product Materials: Paper, laminate, adhesive, aluminium foil, glassine liner

Product Codes: PR1DAT50ET* (50m x 50mm) Blue, red, yellow available
PR1DAT25ET* (50m x 25mm) Blue and red available

Pack Size: 1 x 50m Roll

Product Advantages:

- ✓ Detectable by in-line metal detection systems
- ✓ Bright colours for easy visual identification
- ✓ Strong and long lasting permanent adhesive with high initial tack
- ✓ FDA approved adhesive for food processing environments (*Incidental contact only*)
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination
- ✓ Easy peel perforated glassine backing



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Roll Length:	50 Metres
Roll Width:	Large Rolls 50mm Small Rolls 25mm
Face Thickness:	75µ +/- 10%
Weight:	89GSM +/- 5%
Temperature Range:	-10°C ~ +80°C
Adhesive Strength:	Extra Permanent
Product Material(s):	Manufactured using multiple materials including, but not limited to, papers, laminate, adhesives and aluminium foil.

Material Properties:

Substance:	100g/m ²
Caliper:	80 microns
Shelf Life:	12 Months from date of manufacture (Due to adhesive)
Adhesive Type:	Rubber Hot Melt

Adhesive Performance Temperatures:

Minimum Surface Application Temperature:	+10°C
Minimum Adhesive Service Temperature:	-25°C
Maximum Adhesive Service Temperature:	+60°C
Initial Tack:	Excellent
Suitability for ambient temperatures:	Excellent
Suitability for chilled areas:	Excellent

Standards Compliance: Both the tape material and the self adhesive backing conform to the BFR XIV regulations for direct food contact with dry and moist non-fatty foodstuffs.

Tape	ISEGA Certificate No 21480 U 05
Adhesive	ISEGA Certificate No 27551 U 09



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Detectability:

BST metal detectable self-adhesive tape contains a 7µ aluminium layer to provide metal detectability. As such, your inspection systems should be capable of detecting aluminium contaminants. This tape is not considered to be compatible when used in conjunction with aluminium trays / other aluminium food packaging.

A 10 x 10mm piece of BST metal detectable tape gave the following test piece equivalent readings when tested through the geometric centre of an Anritsu KD8124AW coaxial metal detection system with a 95 x 450 mm aperture.

<u>Reading Type</u>	<u>Test Piece Equivalent</u>	<u>Recommended Detector Sensitivity</u>
FERROUS	1.5 mm	1.2 mm
NON FERROUS	3.5 mm	3.0 mm
STAINLESS STEEL	3.5 mm	3.0 mm

The above tests were repeated three times in order to gain accurate readings, please bear in mind however that the above guidance does not take into account any product effect. The following factors can have considerable effects on detectability:

- Aperture dimensions
- Contaminant orientation
- Product Type (Wet / Dry / Frozen / Physical State)

BST recommend that all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may be the case that your equipment may need to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your metal detection system.

DISCLAIMER

The information provided in this product specification sheet is based on our experience and knowledge to date and we believe it to be true and reliable. This information is intended as a guide for your use of our products, the use of which is entirely at your own discretion and risk. We, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products. © 2014 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.

