

Electrostatics

SERVICES OFFERED FOR FLOOR COVERINGS,
FABRICS, GARMENTS, PPE, FIBC



BTTG has been at the forefront of electrostatic testing for the Textile Industry for over 40 years. Our facilities were amongst the first anywhere in the world dedicated to examining the generation of static electricity in relation to textile materials. Static electricity testing has been part of the routine testing services offered by BTTG for some 35 years and we have been actively involved in the development of British, European and International test methods.

STATIC ELECTRICITY

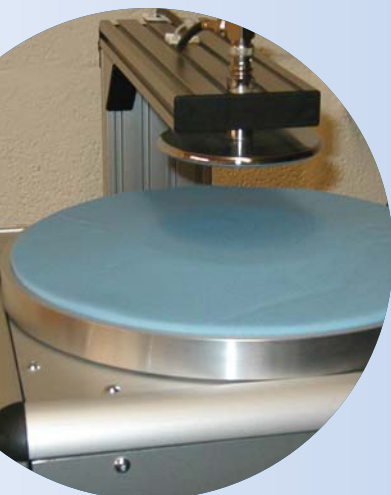
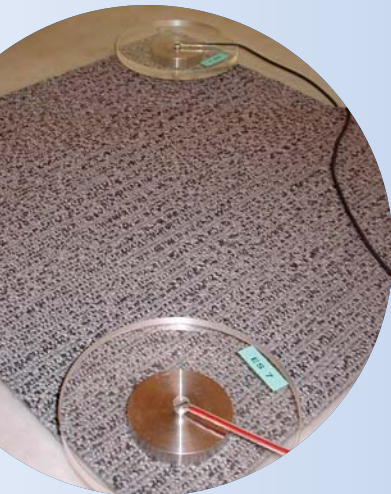
Static electricity is generated by the separation of two materials; whether this will be problematic depends upon a number of factors including the materials involved, the ambient environment, discharge paths, etc.

WHY TEST FOR STATIC ELECTRICITY?

Most people are aware of problems that can be caused by static electricity build-up, notably receiving shocks when walking over floor surfaces or when leaving vehicles, “crackling” when removing clothing and materials “clinging” to the body.

These are the less serious of the potential problems which can involve:

- Sparks – causing explosions, fires, ignition of petrol vapours, etc.
- Electronic component corruption/damage – computers, PDA's, CPU's, medical equipment, etc.
- Manufacturing problems – conveyor belts, printing, wallpaper, dyeing, etc.



Through BTTG we are a Notified Body and a Notified Laboratory for the Construction Products Directive (CPD) and a Notified Body for the Personal Protective Equipment (PPE) Directive

Staff regularly attend British, European and International Standard Committees as Technical Experts



ELECTROSTATIC

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PRODUCT GROUPS COVERED BY OUR TESTING SERVICE

- PPE
- FIBC (Flexible Intermediate Bulk Containers)
- Cleanroom Apparel
- Automotive Textiles
- Medical Textiles
- Floor Coverings
- Upholstery
- Airlines
- Conductive Fibres and Yarns

Our technical experts are available to discuss specific requirements and to tailor test procedures to suit specific applications and materials.

TESTS OFFERED

We offer a comprehensive range of standard test methods including measurement of:

- Electrical Resistance
- Chargeability
- Charge Decay Time
- Clinging Behaviour
- Ignition Behaviour
- Breakdown Voltage
- Body Voltage

The main tests carried out are:

EN 1149-1	BS 6654
EN 1149-2	ISO 10965
EN 1149-3	ISO 6356
EN 61340-5-1	ISO 1815
BS 2050	IBM/ICL
BS 6524	

Please enquire for any tests not listed as we may be able to help.

For further information please contact:

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BTTG Testing & Certification

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