

Below are examples of some of the cases that Shirley Technologies & BTTG have provided assistance with. All names and precise details are omitted due to client confidentiality.



1. Case Type:

Consumer Safety / Flammability– In 1990, a garment ignited and proceeded to engulf the wearer causing serious burns to legs and body.

Our brief:

To determine, using both expertise and testing, whether the manufacturer was selling a potentially harmful garment without warning labels.

Case Details:

The garment (dressing gown) was purchased pre 1985, before Nightwear regulations came into force for the provision of clear warning labels that the garment could readily ignite. Following testing, the garment was shown to fail to meet pre 1985 performance requirements. This scientific evidence and subsequent testimony was used as a foundation for the case.



2. Case Type:

Specialist Fibres - 100% cashmere or not?

Our Brief:

To analyse garment for fibre content.

Case Details:

Our fibre consultant and on site staff carried out microscope identification of fibres present. Garments were identified as having anywhere from 60% - 80% cashmere the remaining fibres were lamb's wool or another fibre.



Further case study examples. All names and precise details are omitted due to client confidentiality



3. Case Type:

Colour/shade variation in a bridesmaid dress

Our brief:

To determine the cause of colour variation in a bridesmaid dress, only noticeable in coloured photographs.

Case Details:

Expert opinion was provided for an insurance claim, following a wedding where variation of the colour of the bridesmaid dress was only noticeable in coloured photographs.



4. Case Type:

Carpets and Quality

Our brief:

To assess carpet quality regarding shading and pilling

Case Details:

BCTC carpets carried out on site examination of carpets and investigate problem and possible cause



5. Case Type:

Garment experts can assess goods for quality with regard to:

- Stitching used
- Dyes used
- Seam types
- Fibre content
- Colour fastness
- Physical properties
- Pilling/ abrasion resistance
- Cut of fabric



Further case study examples. All names and precise details are omitted due to client confidentiality



6. Case Type:

Leaking aquaria (fish tanks). Following installation, water began leaking from the aquaria matrix, resulting in the death of fish and water damage to the client's property

Our Brief:

To determine the cause of water leakage in an aquaria (fish tank) matrix.

Case Details:

Our testing and evaluation expertise was used to determine whether the aquaria were of merchantable quality. The court was provided with evidence that the aquaria were unfit for purpose due to their failure to meet minimum current performance standards.



SOLICITORS INFORMATION

Further case study examples. All names and precise details are omitted due to client confidentiality



1. Case Type:

Rape Case.

Our Brief:

The determination of the consistency of trouser damage to the witness statements for an alleged assault.

Case Details:

Expert opinion was provided at Crown Court as to the force required and consistency of the damage to the trousers following visual, microscopic and case note comparisons by highly trained fabric technologists.



2. Case Type:

Murder case.

Our brief:

To determine whether fibres from the defendant's clothes, matched fibres found at the scene of a crime.

Case Details:

Our expertise was used to provide an expert opinion, at Crown Court, as to whether there was any evidence to indicate that the defendant had been at the scene of the crime.

