

## **Course title: Fractography**

### **Course code: FRAC**

#### DESCRIPTION

This training course has been designed for personnel in the glass industry who carry out site visits. Participants will gain an appreciation of what to look for when investigating glass fractures and help in determining likely causes of breakage. It will provide them with a fuller understanding of the Pilkington product range.

The course has a high technical content and it is recommended that attendees should have previously attended the Advanced Product Knowledge (PK2) course.

#### TARGET AUDIENCE

Commercial, sales and technical representatives who may need to undertake site visits and help customers determine cause of glass breakage. It will be beneficial to those with a reasonable level of knowledge of glass and some experience of the building industry.

#### CONTENT

Anatomy of a failure origin (tools of the trade; mirror, mist and hackle; failure origin details; sources of damage)  
Finding the fracture origin (fracture patterns; effect of applied stress; fracture surface features)  
Case studies

#### DURATION

One day\*

\*approximately 0900 –1500

#### LEVEL

Advanced

#### DATES

Tuesday 18<sup>th</sup> March 2025 (physical)  
Tuesday 14<sup>th</sup> October 2025 (physical)

#### VENUE

NSG Group European Technical Centre, Hall Lane, Lathom, Lancashire, L40 5UF

(Any change of venue will be notified in advance)

#### COST

Free to employees of NSG Group and customers\*

\*subject to approval by the appropriate NSG Group sales manager or representative

#### ASSESSMENT

An online post-course assessment is available for this course

#### BOOKING DETAILS

To reserve a place, please contact our Customer Contact Centre:

Email: [enquiries@pilkington.com](mailto:enquiries@pilkington.com)

Or via our website at [www.pilkington.co.uk/productknowledge](http://www.pilkington.co.uk/productknowledge)

#### Additional notes

Hotel accommodation is not included, but a list of local hotels can be provided upon request. Transport to/from hotels to the venue is not included, but transport for any site visits will be provided.

Lunch and refreshments will be included.

Printed course notes will not be provided, but presentations and support materials will be available in electronic form.

Attendees are welcome to bring lap tops, tablets, etc., for use with the presentations and support materials during the course.

There are occasions on this course when small pieces of glass will be inspected, so appropriate PPE will be provided.

#### Feedback from course participants in 2024

*"the course was excellent"*

*"very informative and enjoyable"*

*"Really interesting course and extremely helpful"*

*"An extremely well delivered course. Set out well flipping between practical and theory meant it was engaging"*

*"would recommend to fellow industry professionals"*

Version 1.

2<sup>nd</sup> October 2024