Introduction

Brightcross Insulation was formed in 1982 and was recently acquired by Unifrax LLC based in Niagara Falls, USA. The addition of Brightcross to the Unifrax Group reinforces the global position of Unifrax as a leading supplier of vacuum formed products; serving all the major industrial markets with an enviable reputation for delivering quality products into the gas fire market.

Capitalising on its vacuum forming capabilities and core values of quality and service, Brightcross is now able to combine its design and technical expertise, with the fibre manufacturing and product development capabilities of Unifrax to produce products to meet their customers’ specific requirements. Customers choosing Brightcross can be assured of consistent quality at sustainable competitive prices, with UK customers benefitting from the logistic convenience of local manufacture and supply.

LOGS, TWIGS AND DRIFTWOOD
Brightcross sculptors and tool makers are able to transfer the ideas of customers into repeatable, affordable production items. Techniques have been developed and refined which now allow the production of fibre shapes with extreme fine detail. Fibre shapes heat up quickly and glow giving a realistic burning effect.

MODULAR FUEL BEDS
Production methods have been developed that extend the previous limitations of vacuum formed products; this allows production of intricate modular shapes that are required for balanced flue fires where flame picture and efficiency are critical.

BRICK-EFFECT PANELS
Brightcross have recently added realistic brick-effect panels to their range. These can be made to customer-specific designs to replicate the brick size, texture and colours required, using a lightweight, robust material which eliminates transit issues.

PEBBLES
There are a range of pebbles, some of which are specific to individual customers and Brightcross is happy to develop any new ideas or colour schemes dependent on customer requirements.
ONE PIECE FIREBACKS
Brightcross has a unique way of producing firebacks which ensure repeatable dimensional accuracy. The options include industry standard plain and ribbed firebacks, however Brightcross works with customers to produce distinctive bespoke designs.

MATRICES, BAFFLES AND SHAPES
Ideas and methods have been developed which enable efficient, repeatable production of these shapes, where size and shape are often crucial to optimise performance in modern fires.

COALS
Brightcross torn coals are manufactured using a unique method which enables repeatability and excellent life span. Standard industry sizes as well as bespoke moulded shapes are offered.

CNC BOARD
Several CNC machines allow Brightcross to produce boards and burner bases in-house.

DEVELOPMENT WORK
Brightcross are an innovative company and are constantly moving forwards with tooling and production ideas. Customers working with Brightcross do so on a confidential basis to ensure that their design concepts become reality.

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