



PRODUCT DATA

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The **Dowelock** range of Locking Dowels is specifically designed to meet the performance demanded from the tunnelling industry and to meet the requirements laid down in the **British Tunneling Society's Specification for Tunnelling**.

Features

The assembly consists of a connecting dowel moulded from a high-strength plastic, together with two locking assemblies; one cast into each of the adjacent tunnel lining segments.

These locking assemblies incorporate patented locking collets that allow the dowel to enter with a minimum compression force and then lock, thus preventing the dowel from withdrawing.

These collets are retained in such a way as to allow the dowel to be entered off line as they have the capability to rotate whilst the dowel is inserted and therefore aligning and securing the precast concrete units.

The full locking capacity of the **Dowelock** is maintained with up to a 15mm gap between adjacent units.

Design Life

All parts of the dowel assemblies are manufactured entirely from non-ferrous materials and are specifically designed for use in precast concrete. The high strength plastic used in the manufacturing is one of the most durable groups of the synthetic materials; they are particularly resistant to organic compounds including alcohols, hydrocarbons, agricultural chemicals and weak acids.

Samples of the material have been tested by burying underground for long periods with no signs of Deterioration or physical properties.

(Full details of physical properties and chemical properties are available if required)

Fire

The material has a V2 rating (to test method UL94) the material does not give off any toxic fumes.

Flammability

To ASTM D635 self extinguishing.

