

Fiber Dowels

Fiber dowels baskets

Technical details



Fiber dowels baskets are made of biomaterials and fiber glass. Pavement specifications typically include placement tolerances. These tolerances call for dowels to be placed reasonably close to parallel with the pavement centerline and the pavement surface.

Usage

When fiber dowels baskets are placed and aligned prior to paving, dowel bar assemblies or dowel baskets of sufficient rigidity are required. The dowel baskets must be anchored well this can be done by pouring concrete in front and over the basket or connect them to the surface.

Scope

Fiber glass dowel baskets are used in concrete slabs. Dowels are located in transverse joints of Jointed Plain Concrete Pavements (JPCP) and they are used to provide load transfer between individual slabs, reduce faulting and improve performance.

Benefits

- Less weight
- CO2 friendly solutions
- The dowel baskets are stackable and are easy to transport
- No corrosion possible



Products details

Fiber Dowels baskets are on demand available in all different sizes. The most common size is diameter 25 and 30 with the lengths 500mm or 600mm

Storage

Don't store the baskets in the vicinity of water longer than 6 months. Cause the components are biological products.

Test results

Test results of the dowels are available on demand. The Fiber dowels baskets are only tested pragmatically with a max load of 250 kg like demanded in the construction plans.