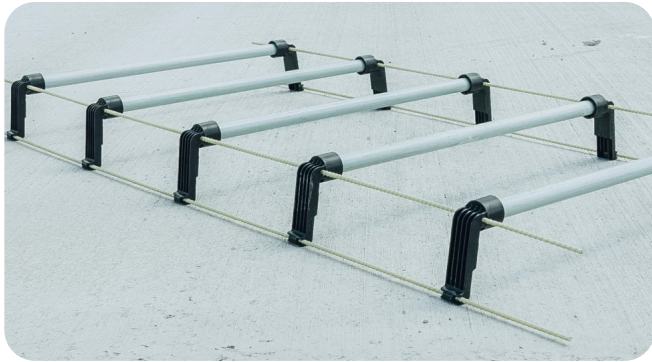


## FIBER DOWEL BASKETS



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

- › The dowels are pre assembled, so placements goes 40% faster than steel baskets.
- › 50% weight reduction in comparison with steel.
- › CO2 friendly solution.
- › The dowel baskets are stackable and are easy to transport.
- › No corrosion possible.

### Product details

Fiber Dowels baskets are on demand available in different sizes. The most common size is diameter 25, 30 and 38 with the lengths 500mm or 600mm. Distance between the dowels is 25cm or 30cm. The baskets are available in 1,50 meter or 1,80 meter lengths and the dowels are assembled on top.

### Technical details

Point load	260 KG
E-Modulus	50 - 55 Gpa
Metal free	100%
Componenten	Fiberglass with recycled plastic
Corrosio resistant	Yes
Chloride and phosphate resitant	Yes
Conducts radio waves	No
Thermal conductivity	0,25%
Diamagnetic	Yes
Color	Mint

### Storage

Don't store the baskets in the vicinity of water or UV longer than 6 months. Cause the compenents are biological \ products.

### Test results

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