

cuttable • non-corrosive • non-magnetic • non-conductive • high strength • light weight

*Mateendowel™* is a corrosion resistant GFRP dowel that requires no maintenance during the life span of the concrete pavement. *Mateendowels™* give excellent load transfer across expansion joints and are perfect in areas where de-icing salts are an inevitable fact of life.



### Installation Methods

- Slip form paver baskets
- Dowel bar insertion machines
- Precast panels
- Retrofits and repairs

### Benefits

- High shear strength
- Non-corrosive – Impervious to chemical attack
- Non-magnetic – transparent to magnetic fields
- ¼ weight of steel – safer and easier to handle
- Low bond strength – no need to grease dowels
- Long service life

## Technical Data

|  |                           |                               |
|--|---------------------------|-------------------------------|
| <b>Diameters</b>                                   | 14, 16, 19, 25, 32, 38 mm | (others available on request) |
| <b>Flexural Modulus</b>                            | >53GPa (>7686ksi)         | ASTM D 790                    |
| <b>Transverse Shear Strength</b>                   | >150 MPa (>21ksi)         | ACI 440.3R-4 B.4              |
| <b>Short Beam Shear Strength</b>                   | >58 MPa (>8412psi)        | ASTM D 4475                   |
| <b>Moisture Uptake</b>                             | <0.1%                     | ASTM D570                     |
| <b>Glass Transition Temperature, T<sub>g</sub></b> | 110°C (230°F)             | ASTM E1640-04                 |

\*values based on nominal 32mm and 38mm dowels

All products have been tested according to recommended AASHTO, ACI and ASTM methods. The above is only a guideline, Pultron recommends following expert advice from your engineer before commencing work.

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*Mateen™* range effective March 2008. Pultron™ reserves the right to adjust products without notification.  
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