

# Dowels

## 100+ Years Concrete Reinforcement Ultimate Corrosion Solution

### APPLICATIONS

- Highways
- Jointed Pavement
- LRT Projects
- Tunneling
- Dams and Marine Applications

TUF-BAR® uses the highest quality corrosion resistant vinyl ester resin and E-CR fiberglass materials.

- ▶ **Contributes 7 LEED Credits**
- ▶ **Custom lengths**

### 100+ Years Sustainability

- ▶ Zero Maintenance
- ▶ 1/4 The Weight of Steel
- ▶ Non-Magnetic
- ▶ Non-Conductive
- ▶ Thermal Insulation

**ASTM CSA ACI AASHTO**

# TUF-BAR® Dowels

## Product Data Sheet: TUF-BAR® Dowels

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	Units	#8	#9	#10	#11	#12
	mm	25.4	28.8	31.8	34.9	38.1
	inch	1	1-1/8	1-1/4	1-3/8	1-1/2
Fiber Type		E-CR glass				
Resin Type		Vinyl ester				
Fiber Content	% weight	> 80%				
Transverse Shear Strength (ASTM D7617)	MPa	190				
	ksi	27.6				
Water Absorption (ASTM D570, 24 h)	%	0.20				
Weight	g/m	1190	1518	1711	2051	2574
	lb/ft	0.84	1.02	1.15	1.376	1.73
Effective Cross-Sectional Area (Including Coating) (CSA S807)	mm <sup>2</sup>	608	705	870	1054	1271
	inch <sup>2</sup>	0.862	1.093	1.349	1.634	1.944
Nominal Cross-Sectional Area (CSA S807)	mm <sup>2</sup>	510	641	819	958	1140
	inch <sup>2</sup>	0.791	0.993	1.269	1.491	1.767

### TUF-BAR® Dowels Comply with:

- CSA S807
- ASTM D7957