

# N2 Parapet

## EMTEK Protect 365

Designed for high speed national highway roads (up to 110 kph) where vehicle protection over a bridge or retaining wall structure is required. EN: 1317 Approved system with all manufacture and installation in accordance with National Highway Sector Scheme Approvals 5A & 5B.

Modular design allows for fast-track construction and generous anchor tolerances. All steel sections are high grade Corus Tubing with finished product Hot Dip Galvanised to BS EN ISO 1461 providing long term maintenance free protection to corrosion.



### KEY FEATURES

- EN: 1317 Approved with HA & NRA
- Maintenance free galvanised steel finish
- Nominal Post centres 3700mm
- Post centres available from 2500mm - 3750mm
- Plinth width minimum 450mm
- Heights from 1000mm - 1800mm
- Mesh or Solid Infill available
- Much reduced structure loading
- Increased anchor tolerance for site works
- Minimum length of parapet 12.50m
- Fast-track lead times
- High speed road applications

### PERFORMANCE

Post Centres	Impact Severity	Working Width*	Wheel Penetration	Dynamic Deflection
2.50m	A	W3	360mm	0.44m
3.75m	A	W4	396mm	0.64m

\* W2 working width available for 1250mm high system and above

### ANCHORAGE LOAD REQUIREMENTS

Nominal bolt tensile load	41.0 kN
Test load 1.1 x nominal	45.1 kN
Ultimate limit state 1.8 x nominal	73.7 kN

### STRUCTURE LOADS

Post size	100 x 100 mm
Post ultimate moment capacity	19.8 kN
Coexisting shear force	36.1 kN
Post ultimate shear capacity	164.9 kN
Height to centreline of lowest rail above underside of base plate	275 mm

