



N1 Parapet (Longitudinal Rails)

EMTEK Protect 365

Designed for low speed urban and rural roads (up to 80 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
- Low speed road applications

PERFORMANCE

Post Centres	Impact Severity	Working Width	Wheel Penetration	Dynamic Deflection
2.50m	A	W1	250mm	0.25m
3.75m	A	W3	320mm	0.50m

ANCHORAGE LOAD REQUIREMENTS

Nominal bolt tensile load	33.0 kN
Test load 1.1 x nominal	36.3 kN
Ultimate limit state 1.8 x nominal	59.4 kN

STRUCTURE LOADS

Post size	90 x 90 mm
Post ultimate moment capacity	14.1 kN
Coexisting shear force	27.5 kN
Post ultimate shear capacity	131.0 kN
Height to centreline of lowest rail above underside of base plate	240 mm