

H4a Parapet

EMTEK Protect 365

Designed for very high containment applications where, for example, vehicle protection over a railway bridge 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 600mm
- Height of system 1600mm
- Solid Infill to traffic face
- Top coping detail available
- Much reduced structure loading
- Increased anchor tolerance for site works
- Minimum length of parapet 20.00m
- Very high containment applications

PERFORMANCE

Post Centres	Impact Severity	Working Width	Wheel Penetration	Dynamic Deflection
3.75m	C (1.47)	W4 (1.09m)	60mm	0.89m

ANCHORAGE LOAD REQUIREMENTS

Nominal bolt tensile load	165.6 kN
Test load 1.1 x nominal	182.2 kN
Ultimate limit state 1.8 x nominal	265.0 kN

STRUCTURE LOADS

Post size	200 x 200 mm
Post ultimate moment capacity	125 kN
Coexisting shear force	144 kN
Post ultimate shear capacity	515 kN
Height to centreline of lowest rail above underside of base plate	380 mm

