



N2 Parapet Transition (RHS)

EMTEK Protect 365

Designed for the safe and smooth transition between an N2 Parapet and an N2 Safety Barrier. 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
- Post centres 2500mm
- Height of system 600mm
- Length of system 8625mm
- Increased anchor tolerance for site works

PERFORMANCE

| Post Centres | Impact Severity | Working Width | Wheel Penetration | Dynamic Deflection |
|--------------|-----------------|---------------|-------------------|--------------------|
| 2.50m | B | W3 | N/A | 0.80m |

ANCHORAGE LOAD REQUIREMENTS

| Posts | Intermediate (Axis perpendicular to traffic face) | Intermediate (Axis parallel to traffic face) | Independent | End |
|---------------------------------------|--|---|-------------|---------|
| Nominal bolt tensile load | 33.5 kN | 44.6 kN | 41.0 kN | 41.0 kN |
| Test load 1.1 x nominal | 36.9 kN | 49.0 kN | 45.1 kN | 45.1 kN |
| Ultimate limit state 1.8 x nominal | 60.4 kN | 80.3 kN | 73.7 kN | 73.7 kN |

STRUCTURE LOADS

| Posts | Intermediate (Axis perpendicular to traffic face) | Intermediate (Axis parallel to traffic face) | Independent | End |
|-------------------------------|--|---|-------------|----------|
| Post ultimate moment capacity | 7.7 kNm | 4.7 kNm | 19.8 kNm | 19.8 kNm |
| Coexisting shear force | 17.8 kN | 10.8 kN | 36.1 kN | 66.0 kN |
| Post ultimate shear capacity | 124.8 kN | 62.4 kN | 164.9 kN | 164.9 kN |

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