

**ULTRA  
BRIDGE**

**EMTEK**

## Bridge Parapets



# Committed to excellence

Emtek have been providing quality products and services since 1994.

You'll see our EN: 1317 approved Parapets installed throughout Ireland's network of roads and bridges.

Our UltraBridge range comprises of:



**N1 Parapets**  
Low Speed



**N2 Parapets**  
Normal Containment



**H4a Parapets**  
Very High Containment



**Transitions**  
Connection to Safety Barriers



# N1 Parapets

Our N1 Parapets are engineered for low speed applications (up to 80km/h), typically on bridges and retaining walls in town centres, residential developments and commercial/retail sites.

We offer two design options to best suit the aesthetics of the area:



## N1 Parapet Performance (Post & Rail)

Post Centres	2.5m	3.7m
Impact Severity Level	A	A
Working Width Class	W1	W2
Wheel Penetration	0.3m	0.3m
Dynamic Deflection	0.3m	0.4m

Above based on 3 rail system (1.0m high).

N1 longitudinal rail Parapets available in 3 rail (1.0m high), 4 rail (1.5m high) and 5 rail (1.8m high).

Our parapets are manufactured from steel that is hot dip galvanised to BS EN ISO 1461 to provide a durable maintenance free finish. We also offer a range of painted finishes upon request.





**N1 Parapet Performance (Vertical Infill)**

Post Centres	2.5m	3.7m
Impact Severity Level	A	A
Working Width Class	W1	W1
Wheel Penetration	0.3m	0.3m
Dynamic Deflection	0.3m	0.3m

Above based on 1.2m high system.



# N2 Parapets

Our N2 Parapets are designed for higher speed applications (up to 110km/h), typically on national routes, motorways and dual carriageways.



### N2 Parapet Performance

Post Centres	2.5m	3.7m
Impact Severity Level	B	B
Working Width Class	W2	W3
Wheel Penetration	0.4m	0.4m
Dynamic Deflection	0.5m	0.6m

Above based on 4 rail system (1.25m high).

N2 longitudinal rail Parapets available in 3 rail (1.0m high), 4 rail (1.25m & 1.5m high) and 5 rail (1.8m high).

Our parapets are manufactured from steel that is hot dip galvanised to BS EN ISO 1461 to provide a durable maintenance free finish. We also offer a range of painted finishes upon request.



# H4a Parapets

Our H4a Parapets are designed for very high containment applications such as railway bridges and structures requiring protection from heavy goods vehicles. The traffic face is covered with a heavy duty solid clad infill to ensure a robust parapet system that can withstand severe impacts.

## H4a Parapet Performance

Post Centres	2.5m	3.7m
Impact Severity Level	B	B
Working Width Class	W4	W4
Wheel Penetration	0.4m	0.4m
Dynamic Deflection	0.5m	0.6m

Above based on 3 rail system (1.6m high).

H4a longitudinal rail Parapets available with additional top coping detailing (1.83m high) and EN: 1317 approved Transition.

Our parapets are manufactured from steel that is hot dip galvanised to BS EN ISO 1461 to provide a durable maintenance free finish. We also offer a range of painted finishes upon request.



# Transitions

Our EN: 1317 approved transitions allow the safe connection from a parapet to a safety barrier system. This ensures a smooth transition if there is a vehicle strike on either the approach or departure of the bridge parapet.



Our transitions are manufactured from steel that is hot dip galvanised to BS EN ISO 1461 to provide a durable maintenance free finish.



# Customer Support

Our customer support team are committed to ensuring each bridge parapet is designed, manufactured and installed to the highest standards.



Technical Data Sheets on all our products are available from our website and can be downloaded 24/7.

Simply log on to  
[www.emtek.co.uk/download](http://www.emtek.co.uk/download)

**EMTEK**

# Contacting us is easy



**+44 (0) 28 3834 8600**

give us a call and one of our sales team will be happy to help you with your enquiry.



**sales@emtek.co.uk**

send us an email with your product requirements and our sales team will contact you.



**www.emtek.co.uk**

click online to view our full range of products and services or download technical specifications.

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