



The single-sided vehicle restraint system for installation on structures is composed of galvanised components acc. to RAL-RG 620. The lengths of the beams and posts as well as the dimensions of the deformation tubes determine the shape of each segment. The system is characterised by its beams of 4,00 m length and a post spacing of 0,50 m. The posts are fixed to the structure by 4 chemical anchors or by pre-cast anchors. The open box beams are fixed to the posts by fastening angles. The open box beams are connected by butt joint connectors positioned inside of the beams. The joints of the guardrail beams overlap in direction of traffic. They are connected to each other by multiple screwings and fixed to the posts directly or by deformation tubes. The standard distance between the system's front and the kerb is 0.5 m.

<i>System Name</i>	Super-Rail Eco HS on structure
<i>CE Certificate of Performance</i>	0531-CPR-1317-2002
<i>Initial Type Tests</i>	TB11: 1133-2318 18122 (crashtest-service, 2015) TB32: STU19002 (VSI, 2019) TB52: 1133-2317 18121 (crashtest-service, 2015)
<i>Typical Material</i>	Steel S235 JR, S355 JR
<i>System Width</i>	0,37 m
<i>System Height (from Road Surface)</i>	0,90 m
<i>System Length (Unit)</i>	4,00 m
<i>Weight per m of System Length</i>	75,1 kg (A)   74,1 kg (B)
<i>Installation Length</i>	36 m
<i>Tested Installing Method</i>	on structure

<b>Performance acc. to EN 1317</b>	
<b>Containment Level</b>	<b>N2   H2   L2</b>
<b>Working Width</b>	<b>W1   W1   W1 (W<sub>N</sub> = 0,5 m   0,5 m   0,5 m)</b>
<b>Impact Severity Level</b>	<b>B</b>
<b>Dynamic Deflection</b>	<b>D<sub>N</sub> = 0,3 m   0,4 m   0,4 m</b>
<b>Vehicle Intrusion</b>	<b>H2/L2: VI2 (V<sub>IN</sub>=0,7 m)</b>
<b>Resistance Class Snow Removal</b>	<b>3</b>

\*) NPD = no performance determined