



Graz, University of Technology
Vehicle Safety Institute

To:

Hr. Markus Ecker-Endl

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Graz, 2025-07-01

Dear Mr. Ecker-Endl,

The terminal „KREMSBARRIER Terminal“ has been successfully crash tested in accordance with the European Standards EN 1317-1:2010, ENV 1317-4:2002 and CEN-TS 1317-7:2024. We can confirm that the terminal has been successfully tested for use as uni-directional terminal - approach (UTA) and thereby achieved the following performance criteria, as detailed in Table 1.

Table 1: Performance Classification for terminal KREMSBARRIER Terminal T110 UTA (EN 1317-1, ENV 1317-4, CEN-TS 1317-7)

Performance Class	Test-Code	Type Test / Test-Report	Impact Speed	Vehicle Mass	Permanent lateral displacement class		Exit Box Class	Impact Severity Class
					ENV1317-4:2002	CEN-TS 1317-7:2024		
T110 UTA	TT1.3.110	VOE21007	110km/h	1500kg	x1/y1 ^(*)	S0.5/T0.5	Z1	B
	TT2.1.100	VOE21008	100km/h	900kg	x1/y1 ^(*)	S0.5/T0.5	Z2	B
	TT3.3.110	VOE24014	110km/h	1500kg	x1/y1	S0.5/T1.0^(*)	Z3	A
	TT4.3.110	VOE21009	110km/h	1500kg	x1/y1 ^(*)	S0.5/T0.5	Z1	A

^(*) ... Test was carried out following the respective standard/specification

We hereby confirm the performance against the listed test criteria and that this letter can be issued to a third party for the purpose of demonstrating the compliance with the listed standards.

Yours sincerely,

Dr. Gregor Gstrein
(Testleader of the accredited test laboratory)