Certificate
Quality Department

SUBJECT: Reference – E527

Trelleborg Izarra, S.A.U. hereby certifies that:

Under the European Norm EN 45545-2:2020+A1:2023 - Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components, carried out in an external Laboratory (Crepim – France), reports nº DO-26-8412\A-R1, dated on 28/05/2026 and DO-26-8795\A-R1, dated on 02/10/2026

Our reference E527 is classified as HL2 for requirements R22, R23 and R24 for thickness ≥ 2 mm.

Hazard Level has been determined using a product of the relation between operation (track structure vs evacuation access) and design categories (train model).

Requirement set R22 – Location interior

Test method	Param. - Unit		HL2
EN ISO 4589-2	LOI -% Oxygen	Mini	28
EN ISO 5659-2 25 kW/m²	D_s max.	Maxi	300
NF X 70-100-1/.2 (600 ºC)	CIT_{NLP}	Maxi	0,9

Requirement set R23 – Location exterior

Test method	Param. - Unit		HL2
EN ISO 4589-2	LOI -% Oxygen	Mini	28
EN ISO 5659-2 25 kW/m²	D_s max.	Maxi	600
NF X 70-100-1/.2 (600 ºC)	CIT_{NLP}	Maxi	1,8

Requirement set R24

Test method	Param. - Unit		HL2
EN ISO 4589-2	LOI -% Oxygen	Mini	28