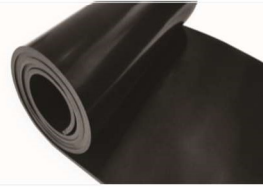




CERTIFICATE



SUBJECT: Reference ICF/MD/SPEC-354

Zenith Industrial Rubber Products Pvt. Ltd. hereby certifies that,

Under the European Norm EN-45545-2 + A1:2016 Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components). Carried out in an external Laboratory (Warrington fire – UK), report no. 413221,413222 & 413223 dated 20th May 2019.

Our reference ICF/MD/SPEC-354 is classified as HL3 for requirements R10, from 1 mm up to 12 mm.

Hazard Level have been determined using a product of the relation between operation (track structure v/s evacuation access) and design categories (train model). HL3 is the highest and strict classification in the norm.

Requirement set R10

Test method	Parameter- Unit		HL1	HL2	HL3
EN ISO 9239-1	CHF kWm-2	Mini	4,5	6	8
EN ISO 5659-2 25 kW/m ²	D _s max.	Maxi	600	300	150
NF X 70-100-1/.2 (600 °C)	CIT _G	Maxi	1,2	0,9	0,75

Mr. Mohan Mahajan
For, Zenith Industrial Rubber Products Pvt. Ltd
Quality Department

