

**FIRE RESISTANT – LOW SMOKE – LOW TOXIC EPDM 60° SHORE A
APPROVED TO EN 45545-2: 2013 + A1:2015
HL3 for R22/R23/R24/R25/R26 Requirement Sets**

Railflex® Elastomer Products

Quality No: H45-1000

(Dated: January 2018)

Mechanical Properties		
Colour	Black	
Hardness	60° (+/-5°) Shore A	ISO 7619-1
Density	1.51 g/cm ³ Approx.	ISO 1183
Tensile Strength	ca 5N/mm ²	DIN 53 504 / ISO 37
Elongation @ Break	>400%	DIN 53 504 / ISO 37
Tear Strength	ca 5N/mm	ISO 34-1 A
Compression Set (24hrs @ 70°C)	16%	ISO 815A
Electrical Volume Resistivity	1.5 x 10 ₁₄ ohm cm	IEC 60093
Ozone Resistance: 168h/40°C / 50pphm / 20% elongation	Result: No cracks	DIN ISO 1431-1
Service Temperature Range	-40 / +100°C	
No carcinogenic nitrosamine generating raw materials are used.		

1mm to 6mm - Calendered Sheet c/w Fine Fabric Surface Finish – Rolls: 1600mm wide x 10m long
(Smooth Surface Finish available – made to order)

Standard	Standards	Test Reports	Tested By
EN 45545-2: 2013 +A1: 2015 Set Requirements R22/R23/R24/ R25/R26 Hazard Level HL3	ISO 5659-2 ISO 4589-2 NFX 70-100-1 NFX 70-100-2 NF F16-01 (Glow wire test Acc. EN60695-2-10/11)	REE 59-1445/16/158 A REE 11 1445/07/342 A CCE F 1445/07/342 A CCE F 1445/07/342A 1445/16/158 A RE 1F 1445/04/086A	Crepim France Crepim France Crepim France
DIN 5510-2 Classification S4-SR2-ST2	DIN 5510-2 ISO 5659-2	RE-59-1445/04/086 A	Crepim France
UL94 V(0)	V(0) Vertical Burn Test (equivalent to EN 60695-2- 11-10)	KUEXT07632 KUEXT07807	U.L.- Thermoplastics Testing Center
ECE – R118, App. 8	Vertical Burn Test	20649290-20 (Result 0)	DMT Germany
NF F 16-101 Class F1 – I2	NF F 16-101 F1 – I2 NF X 10-702 NF X 70-100 ISO 4589-1 / -2 / EN 60695-2	CCE F 1445/07/342 A CCE I 1445/07/342 A RE 11 1445/04/086 A RE 1F 1445/04/086 A	Crepim France
NFPA 130 Hazard Rating System	ASTM C1166 ASTM E662 SMP 800-C	15-002-410 (A) 15-002-410 (B) 15-002-410 (C)	EXOVA Warrington Fire – North America
British Standard BS 6853 – Table 7 Cat II + Annex D	ISO 4589-2	RE 11 1445/04/086 A CCE I 1445/07/342 A	Crepim France

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