

TRANSPORTATION INFORMATION

MARTIN GANSNER / SABINE ERDELT

CERTIFICATION OVERVIEW FOR EN-45545-2 SIKA PORTFOLIO FOR RAIL VEHICLES

EDITION 8



INTRODUCTION

This document aims to offer a comprehensive overview of all products holding a valid certificate. Additionally, products with ASTM approvals have been included where applicable.

EN-45545-2 includes following tests:

- Spread of flame acc. to EN ISO 5658-2
- Dripping behavior acc. to EN ISO 5658-2
- Heat release MARHE acc. EN ISO 5660-1
- Smoke opacity and toxicity acc. EN ISO 5659-2
- Oxygen Index acc. ISO 4589-2 (R22/R23)
- Smoke Toxicity acc. NF X 70-100-1/-2 (R22/R23)

ASTM includes following tests:

- Surface flammability acc. ASTM E162
- Smoke optical smoke density acc. ASTM E662
- Heat and visible smoke release acc. ASTM E1354
- Smoke toxicity acc. to BSS 7239
- CN/CL/FL ions concentration acc. to BSS 7242

OVERVIEW

PRODUCT	EN 45545-2		ASTM				EN VALIDITY	REMARKS
	R1 / R7	R22 / R23	E162	E662	E1354	BSS7239		
Sikaflex®-221	HL3	-	-	-	-	-	05/2025	ASTM Expired 01/23
Sikaflex®-621	HL3	-	-	-	-	-	10/2028	
Sikaflex®-821 FR	-	HL2	✓	✓	-	✓	➔	See manufacturer declaration
Sikaflex®-265	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 07/2026
Sikaflex®-268	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 03/2026 + BSS 7242
Sikaflex®-268 + SikaBooster® P-50	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 03/2026 + BSS 7242
Sikaflex®-268 PowerCure	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 03/2026 + BSS 7242
Sikaflex®-668	HL3	-	✓	✓	-	✓	03/2027	BSS 7242 tested too
Sikaflex®-668 PowerCure	HL3	-	✓	✓	-	✓	03/2027	BSS 7242 tested too
Sikaflex®-668 + SikaBooster® P-50	HL3	-	✓	✓	-	✓	03/2027	BSS 7242 tested too
Sikaflex®-521 UV*	HL3	-	✓	✓	-	✓	07/2024	ASTM validity: 03/2025
Sikaflex®-522	HL3	-	-	-	-	-	07/2024	Will not be renewed
Sikaflex®-554	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 12/2027 + BSS 7242
Sikaflex®-554 PowerCure	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 12/2027 + BSS 7242
Sikaflex®-554 + SikaBooster® S-50	HL3	-	✓	✓	-	✓	10/2028	ASTM validity: 12/2027 + BSS 7242
Sikaflex®-555	HL3	-	-	-	-	-	10/2028	
Sikaflex®-854FR	-	HL3	-	-	-	-	04/2027	Product stopped
SikaForce®-840	HL3	-	-	-	-	-	04/2024	
SikaFast®-555 L03 – L10	HL3	-	-	-	-	-	05/2025	
SikaPower®-415 P1	HL3	-	-	-	-	-	06/2026	Spanish Report
SikaPower®-880	HL3	-	-	-	-	-	03/2026	
SikaPower®-1200	HL3	-	-	-	-	-	05/2023	See manufacturer declaration
SikaPower®-1277	HL3	-	-	-	-	-	➔	See manufacturer declaration
Sikagard®-831	HL3	HL3	-	-	-	-	➔	See manufacturer declaration

*Sikaflex-521 UV: white (EN) / black and grey (ASTM)

All fire certificates are accessible through the Electronic Document Management System (EDMS). If the required certificate is not available online, please feel free to reach out to either Martin or Sabine for assistance.

OUTLOOK

All products scheduled for renewal in 2024 will undergo a comprehensive review to determine the appropriate course of action moving forward.



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