

# DECLARATION OF PERFORMANCE

According to Annex III of Regulation (EU) No. 305/2011 (Construction Products Regulation)

**ZZ 451**  
**No. ZZ451-20220401**

**(ZZ-Fire Protection Wrap NE)**

**Unique identification code of the product type:** ZZ 451

**Intended use/es:** Fire stopping and fire sealing products: Penetration seals

**Manufacturer:** Karl Zimmermann GmbH, Marconistr. 7-9, 50769 Cologne, Germany

**System/s of AVCP:** System 1 (Resistance to fire) and System 3 (Reaction to fire)

**European Assessment Document:** EAD 350454-00-1104 (09/2017), ETAG 026-2 (08/2011)

**European Technical Assessment:** ETA-10/0431 (07/2018), ETA-11/0206 (06/2018), ETA-12/0088 (07/2017), ETA-21/1055 (03/2021)

**Technical Assessment Body:** Österreichisches Institut für Bautechnik (OIB) (ETA-10/0431, ETA-11/0206, ETA-12/0088), UL International (Netherlands) B.V. (ETA-21/1055)

**Notified Body/ies:** MPA Braunschweig, 0761

Declared performance/s:

Essential characteristics	Performance	Harmonised technical specification/ Method of verification
Reaction to fire	Class E	EN 13501-1:2007+A1:2009
Resistance to fire	See Annex J-1 (ETA-10/0431), Annexes F-1 and J-1 (ETA-11/0206), Annex D-1 (ETA-12/0088), Annex D (ETA-21/1055)	EN 13501-2:2007+A1:2009, EN 13501-2:2016
Air permeability	NPD (No Performance Determined)	---
Water permeability	NPD (No Performance Determined)	---
Release of dangerous substances	See Clause 3.2.3 (ETA-10/0431, ETA-11/0206, ETA-12/0088) resp. no dangerous substances, use category IA1 (ETA-21/1055)	EAD 350454-00-1104 Clause 2.2.5 Council Directive 67/548/EEC and Regulation (EC) No. 1272/2008 and EOTA TR 034, edition October 2015
Mechanical resistance and stability	NPD (No Performance Determined)	---
Resistance to impact / movement	NPD (No Performance Determined)	---
Adhesion	NPD (No Performance Determined)	---
Durability	Use category type Z <sub>1</sub>	EAD 350454-00-1104 Clause 2.2.9 ETAG 026-2
Airborne sound insulation	NPD (No Performance Determined)	---
Thermal properties	$\lambda(10) = 0,396 \text{ W/(m}\cdot\text{K)}$	EN 12664:2001
Water vapour permeability	NPD (No Performance Determined)	---

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer

Cologne, 04/01/2022



Lars Volkmer, Technical Director