
Magnalux™ VEL

formerly known as: SikaCor® VEL

DECLARATION OF PERFORMANCE

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE	SW_VEL_v1
2	TYPE, PRODUCT OR SERIAL NUMBER	Magnalux™ VEL
3	INTENDED USE	EN 1504-2:2004 Surface protection products – Coating Moisture control (2.2) Chemical resistance (6.1) Increasing resistivity (8.2)
4	MANUFACTURER	Sherwin-Williams Coatings Deutschland GmbH Rieter Tal 1 71665 Vaihingen/Enz Germany (Werk: VAHINGEN)
5	AUTHORISED REPRESENTATIVE	
6	SYSTEM OF AVCP	EN 1504-2: System 2+ (for uses in buildings and civil engineering works) EN 1504-2: System 3 (for uses subject to reaction to fire regulations)
7	CONSTRUCTION PRODUCT COVERED BY A HARMONISED STANDARD	EN 1504-2:2004
	Notified body:	0921 1508

Sherwin-Williams Coatings Deutschland GmbH
71665 Vaihingen an der Enz · Rieter Tal 1 · Deutschland
Telefon: +49 (0)7042 1090 · Telefax: +49 (0)7042 109180
E-Mail: pm.de.info@sherwin.com · Internet: sika-coatings.sherwin-williams.com

Sitz der Gesellschaft Vaihingen an der Enz · Geschäftsführer James Michael Donchess,
Jeffrey James Miklich, Dave Wright, Thomas Kerkmann · HRB 784010 Stuttgart · USt.-ID-Nr.: DE348593765

8 Declared Performance

Tested system build-up with Magnalux™ VE Solution, Magnalux™ VE Hardener and Magnalux™ VE Mehl

Essential Characteristics	Performance	AVCP	Harmonised Technical Specification
Linear shrinkage:	NPD	System 2+	EN 1504-2:2004
Compressive strength:	NPD	System 2+	EN 1504-2:2004
Thermal expansion coefficient:	NPD	System 2+	EN 1504-2:2004
Abrasion resistance (Taber test):	weight loss < 3000 mg	System 2+	EN 1504-2:2004
Cross cut:	NPD	System 2+	EN 1504-2:2004
Permeability to CO ₂ :	$s_D > 50m$	System 2+	EN 1504-2:2004
Water vapor permeability:	Class III	System 2+	EN 1504-2:2004
Capillary absorption and permeability to water:	$w < 0,1 \text{ kg}/(\text{m}^2 \times \text{h}^{0,5})$	System 2+	EN 1504-2:2004
Thermal compatibility:	NPD	System 2+	EN 1504-2:2004
Resistance to thermal shock	NPD	System 2+	EN 1504-2:2004
Chemical resistance:	NPD	System 2+	EN 1504-2:2004
Resistance to severe chemical attack:	Class II	System 2+	EN 1504-2:2004
Crack bridging ability:	NPD	System 2+	EN 1504-2:2004
Impact resistance:	Class III	System 2+	EN 1504-2:2004
Adhesion strength by pull off test:	$\geq 2,0 (1,5)^1 \text{ N}/\text{mm}^2$	System 2+	EN 1504-2:2004
Reaction to fire:	E _{fl}	System 3	EN 1504-2:2004
Skid resistance:	NPD	System 2+	EN 1504-2:2004
Artificial weathering:	NPD	System 2+	EN 1504-2:2004
Antistatic behavior:	NPD	System 2+	EN 1504-2:2004
Adhesion on wet concrete:	NPD	System 2+	EN 1504-2:2004
Release of dangerous substances:	NPD	System 2+	EN 1504-2:2004

¹⁾ The value in brackets is the lowest accepted value of any reading.

For characteristics not listed above, these are either not relevant or no performance determined.

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9 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of Sherwin-Williams Coatings Deutschland GmbH:

Name: Volker Zeh
Function:
Product Manager
Vaihingen, 01.07.2023



Name: Georg Schulze
Function:
Quality Manager
Vaihingen, 01.07.2023

