

1. Unique identification code of the product-type: **fischer VBS-M**
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4): **See the batch numbers on the delivery notes**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Remedial wall tie**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5): **Fischerwerke GmbH & Co. KG, Weinhalde 14-18, 72178 Waldachtal, Germany**
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **3**
6. In case of the declaration of performance concerning a construction product covered by a harmonised standard: **Ingenieursozietät Bauforschung, Dortmund (Germany) performed under system 3.**
- The testing laboratory shall carry out determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values or descriptive documentation of the product and issued **Gutachterliche Stellungnahme Nr. 11.254**
7. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: --
8. Declared performance/s:

Characteristics	Performance			Harmonised technical specification
	Base material	f_b	$N_{Ru,m}^t$	
Average compressive- and tensile resistance in the load-bearing layer	Concrete \geq C12/15 (B15) acc. to EN206-1	-	2210 N	EN 845-1:2013 5.3.1.2.2 5.3.1.2.1
	Concrete \geq C20/25 (B25) acc. to EN206-1	-	2210 N	
	Concrete \geq C50/60 (B60) acc. to EN206-1	-	2840 N	
	Clay brick Mz acc. to DIN 105 / EN771-1	$\geq 20 \text{ N/mm}^2$	2330 N	
	Calcium silicate solid brick KS acc.to DIN 106 / EN771-2	$\geq 12 \text{ N/mm}^2$	2450 N	
	Lightweight solid brick V acc. to DIN 18152 / EN771-3	$\geq 6 \text{ N/mm}^2$	1990 N	
	Lightweight concrete solid block Vbl acc. to DIN 18152 / EN771-3	$\geq 8 \text{ N/mm}^2$	2680 N	
	Clay brick HLz acc. to DIN 105 / EN771-1	$\geq 12 \text{ N/mm}^2$	1150 N	
	Hollow calcium silicate brick KSL acc. to DIN 106 / EN771-2	$\geq 12 \text{ N/mm}^2$	1340 N	
	Hollow brick lightweight concrete Hbl acc. to DIN 18151 / EN771-3	$\geq 4 \text{ N/mm}^2$	2490 N	

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Average compressive- and tensile resistance in the facing masonry	Facing brick KMz acc. to DIN V 105-100	$\geq 28 \text{ N/mm}^2$	2980 N	EN 845-1:2013 5.3.1.2.2 5.3.1.2.1																																																														
	Facing brick KHLz acc. to DIN V 105-100	$\geq 28 \text{ N/mm}^2$	2550 N																																																															
	Calcium silicate facing brick KSVb acc. to DIN V 106-100	$\geq 20 \text{ N/mm}^2$	2470 N																																																															
	Vertical perforated brick KHLz acc. to DIN V 105-100 e.g. "medium thick bricks"	$\geq 28 \text{ N/mm}^2$	1430 N																																																															
	Bearing joint MG IIa 10-12 mm acc. to DIN 1053-1:1996-11	$\geq 5 \text{ N/mm}^2$	2010 N																																																															
Total length	120-285mm																																																																	
Shell distance	Shell distance at following thickness of facing brickwork: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th rowspan="2">Mounting:</th> <th colspan="2">50mm¹⁾</th> <th colspan="2">70mm²⁾</th> <th colspan="2">115mm²⁾</th> </tr> <tr> <th>flush</th> <th>sunk</th> <th>flush</th> <th>sunk</th> <th>flush</th> <th>sunk</th> </tr> </thead> <tbody> <tr> <td>VBS-M 8x120</td> <td>≤ 20</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>VBS-M 8x185</td> <td>-</td> <td>≤ 65</td> <td>≤ 85</td> <td>≤ 20</td> <td>≤ 40</td> <td></td> </tr> <tr> <td>VBS-M 8x205</td> <td>-</td> <td>≤ 85</td> <td>≤ 105</td> <td>≤ 40</td> <td>≤ 60</td> <td></td> </tr> <tr> <td>VBS-M 8x225</td> <td>-</td> <td>≤ 105</td> <td>≤ 125</td> <td>≤ 60</td> <td>≤ 80</td> <td></td> </tr> <tr> <td>VBS-M 8x245</td> <td>-</td> <td>≤ 125</td> <td>≤ 145</td> <td>≤ 80</td> <td>≤ 100</td> <td></td> </tr> <tr> <td>VBS-M 8x265</td> <td>-</td> <td>≤ 145</td> <td>≤ 165</td> <td>≤ 100</td> <td>≤ 120</td> <td></td> </tr> <tr> <td>VBS-M 8x285</td> <td>-</td> <td>≤ 165</td> <td>≤ 185</td> <td>≤ 120</td> <td>≤ 140</td> <td></td> </tr> </tbody> </table> <p>1) sunk mounting not permitted with „Sparverblander“ 2) other shell distances and sunk less than 20 mm shall be interpolated.</p> <p style="text-align: right;">dimensions in mm</p>				Mounting:	50mm ¹⁾		70mm ²⁾		115mm ²⁾		flush	sunk	flush	sunk	flush	sunk	VBS-M 8x120	≤ 20	-	-	-	-	-	VBS-M 8x185	-	≤ 65	≤ 85	≤ 20	≤ 40		VBS-M 8x205	-	≤ 85	≤ 105	≤ 40	≤ 60		VBS-M 8x225	-	≤ 105	≤ 125	≤ 60	≤ 80		VBS-M 8x245	-	≤ 125	≤ 145	≤ 80	≤ 100		VBS-M 8x265	-	≤ 145	≤ 165	≤ 100	≤ 120		VBS-M 8x285	-	≤ 165	≤ 185	≤ 120	≤ 140	
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Anchorage depth in the load-bearing layer in the facing masonry	$\geq 50 \text{ mm}$ =50mm																																																																	
Thickness of mortar joint	NPD																																																																	
Min. / max grade	NPD																																																																	
Motion tolerance	$\pm 6 \text{ mm}$																																																																	
Installation instructions	See in packaging enclosed installation instructions.																																																																	
Average displacement	with $\frac{N_{RUM}^t}{3} \leq 1 \text{ mm}$			EN 845-1:2013 5.3.1.2.3																																																														
Drip edge available	yes			EN 845-1:2013 5.4																																																														
Corrosion-resistant class	Plastic	2		EN 845-1:2013 5.6																																																														
	Screw A4	1																																																																
	Screw gvz	acc. to EN ISO 4042																																																																
Dangerous goods	NPD			EN 845-1:2013 5.7																																																														

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Manufacturer: **fischerwerke GmbH & Co. KG, Klaus-Fischer-Straße 1, 72178 Waldachtal, Germany**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

i.A. Marita Fg

Marita Feger

i.V. Christian Kempf

Christian Kempf

Tumlingen, 2016-02-10

- This DoP has been prepared in different languages. In case there is a dispute on the interpretation the english version shall always prevail.
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