Declaration of Performance
No. DWU-AP-VM160/2024/1/EN

1.	**UNIQUE IDENTIFIKATION CODE OF THE PRODUCT-TYPE**	**AP VM160 - High strength, expanding grout and anchoring mortar**
2.	**INTENDENT USE OR USES**	**Product for Structural and non-structural repairs. Use in buildings and engineering works** Method 3.1. – Applying mortar by hand Method 3.2. – Recasting with concrete Method 3.3. – Spraying concrete or mortar Method 7.1. – Increasing cover to reinforcement with additional cementitious mortar or concrete Method 7.2. – Replacing contaminated or carbonated concrete **Product for anchoring of reinforcing steel bar**. **Use in buildings and engineering works** Method 4.2. - Installing bonded rebars in preformed or drilled holes in the concrete Methods according to EN 1504-9: 2010
3.	**MANUFACTURER**	**AP Chemie sp. z o.o.** Swobodna 1 50-088 Wrocław www.apchemie.pl
4.	**AUTORIZED REPRESENTANTIVE**	No relevant
5.	**SYSTEM OR SYSTEMS OF ASSESSMENT AND VERIFICATION OF PERFORMANCE**	System 2+ System 4 (Reaction to fire)
6a.	**HARMONIZED TECHNICAL SPECIFICATION**	EN 1504-3:2005 EN 1504-6:2006
	Notified body	Instytut Techniki Budowlanej Number of notified body 1488

7. DECLARED PERFORMANCES

Essential characteristics		Performance	Harmonised technical specification
Compressive strength		Class R 4 (≥ 45 MPa)	EN 1504-3:2005
Chloride Ion Content		≤ 0,05%	
Adhesive Bond		≥ 2,0 MPa	
Limited shrinkage / swelling		NPD	
Carbonation resistance		pass	
Elastic Modulus		NPD	
Thermal Compatibility	Part 1: freeze-thaw	Class R 4 (≥ 2,0 MPa)	
	Part 2: spray	NPD	
	Part 4: drying	NPD	
Skid resistance		NPD	
Coefficient of thermal expansion		NPD	
Capillary Absorption		≤ 0,5 kg/m^{2}h^{0,5}	
Reaction to fire		Class A1	
Dangerous substances		NPD	
Pull-out		Displacement ≤ 0,6 mm at load 75 kN	EN 1504-6-2006
Chloride Ion Content		≤ 0,05%	
Glass transition temperature		NPD	
Creep under tensile load		NPD	
Reaction to fire		Class A1	
Dangerous substances		NPD	

8. APPROPRIATE TECHNICAL DOCUMENTATION AND/OR SPECIAL TECHNICAL DOCUMENTATION

Not relevant

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified above.

AP Chemie
AP Chemie sp. z o.o.
ul. Swobodna 1, 50-088 Wrocław
NIP 8992842024, REGON 369624507

Signed for and on behalf of the manufacturer by:

Przemysław Michalski
CEO

Wrocław, 18.09.2024

CE

18

AP Chemie sp. z o.o.
ul. Swobodna 1, 50-088 Wrocław

AP VM160 - High strength, expanding grout and anchoring mortar

DWU-AP-VM160/2024/1/EN

EN 1504-3:2005, EN 1504-6:2006

Product for Structural and non-structural repairs. Use in buildings and engineering works
Method 3.1. – Applying mortar by hand
Method 3.2. – Recasting with concrete
Method 3.3. – Spraying concrete or mortar
Method 7.1. – Increasing cover to reinforcement with additional cementitious mortar or concrete
Method 7.2. – Replacing contaminated or carbonated concrete

Product for anchoring of reinforcing steel bar. **Use in buildings and engineering works**
Method 4.2. - Installing bonded rebars in preformed or drilled holes in the concrete

1488

Compressive strength	Class R4 (≥ 45 MPa)	EN 1504-3:2005
Chloride Ion Content	≤ 0,05%	
Adhesive Bond	≥ 2,0 MPa	
Carbonation resistance	pass	
Thermal Compatibility: Part 1: freeze-thaw	Class R4 (≥ 2,0 MPa)	
Capillary Absorption	≤ 0,5 kg/m^{2}h^{0,5}	
Reaction to fire	Class A1	
Pull-out	Displacement ≤ 0,6 mm at load 75 kN	EN 1504-6:2006
Chloride Ion Content	≤ 0,05%	
Reaction to fire	Class A1	