

DECLARATION OF PERFORMANCE

According to the Regulation (EU) No.305/2011

No. GDFF001/6

ADINGPOKS AKVA



1. Unique identification code of the product-type:
GDFF001
2. Intended use/uses:
EN 1504-2:ZA.1d, EN 1504-2:ZA.1f, EN 1504-2:ZA.1f and EN 1504-3:ZA.1, epoxy-cement coating for concrete surface protection; concrete repair mortar based on epoxy polymer (PC). This product is intended for:
 - **Ingress protection (Method 1.3 according to EN 1504-9)**
 - **Moisture control (Method 2.2 according to EN 1504-9)**
 - **Increasing resistivity by limiting moisture content (Method 8.2 according to EN 1504-9)**
 - **Physical resistance (Method 5.1 according to EN 1504-9)**
 - **Concrete restoration by applying mortar by hand (Method 3.1 according to EN 1504-9)**
 - **Increasing cover to reinforcement with additional cementitious mortar or concrete (Method 7.1 according to EN 1504-9)**
3. Manufacturer:
ADING AD Skopje, Novoselski pat (ul. 1409) br. 11, 1060 Skopje, R. North Macedonia
4. Authorised representative:
/
5. System or systems of Assessment and Verification of Constancy of Performance (AVCP):
System 2+
- 6a. Harmonised standard:
EN 1504-2:2004
EN 1504-3:2005

Notified body:

Building Research Institute (N I S I) Ltd, 1618 Sofia, Bulgaria, №86 Nikola Petkov Blvd („Научноизследователски строителен институт – НИСИ“ ЕООД, Р. България, София 1618, бул. "Никола Петков" № 86) - notified body for construction products, with identification number NB 2032 in European Commission register performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+.



7. Declared performances:

Essential Characteristics	Performance	Harmonised technical specification	
According to EN 1504-2		MKC EN 1504-2:2006 MKC EN 1504-3:2006	EN 1504-2:2004 EN 1504-3:2005
Adhesion strength by pull-off test	$\geq 2,0 \text{ N/mm}^2$		
Abrasion resistance	$< 3000 \text{ mg}$		
Permeability to CO ₂	$S_D > 50 \text{ m}$		
Permeability to water vapour	Класа II, $5 < S_D \leq 50 \text{ m}$		
Capillary absorption and permeability to water	$< 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$		
Impact resistance	Class III $\geq 20 \text{ Nm}$ After loading, no cracks, no delamination		
Thermal compatibility: Freeze-thaw cycling with de-icing salt immersion	Bond strength after 50 cycles $\geq 2,0 \text{ N/mm}^2$		
According to EN 1504-3			
Compressive strength	$\geq 45 \text{ N/mm}^2$		
Water soluble chloride	$\leq 0,05\%$		
Restrained shrinkage/expansion	Bond strength after test $\geq 2,0 \text{ N/mm}^2$		
Elastic modulus	$\geq 15 \text{ GPa}$		
Capillary absorption	$\leq 0,5 \text{ kg/m}^2 \cdot \text{h}^{0,5}$		
Dangerous substances	No performance determined		

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with the Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:
General Manager,



Blagoja Donchev, Civ. Eng

Skopje, 24.06.2021



CE MARKING

Annex to DoP No.GDFF001/6

DECLARATION OF PERFORMANCE

 2032	
ADING AD Skopje, Novoselski pat (ul 1409) br.11 1060 Skopje, North Macedonia 17 GDFF001/6 EN 1504-2:2004 EN 1504-3:2005 ADINGPOKS AKVA Epoxy-cement coating for concrete surface protection; concrete repair mortar based on epoxy polymer (PC)	
According to EN 1504-2	
Adhesion strength by pull-off test	≥ 2,0 N/mm²
Abrasion resistance	< 3000 mg
Permeability to CO ₂	S_D > 50 m
Permeability to water vapour	Класа II, 5 < S_D ≤ 50 m
Capillary absorption and permeability to water	< 0,1 kg/m² · h^{0,5}
Impact resistance	Class III ≥ 20 Nm After loading, no cracks, no delamination
Thermal compatibility: Freeze-thaw cycling with de-icing salt immersion	Bond strength after 50 cycles ≥ 2,0 N/mm²
According to EN 1504-3	
Compressive strength	≥ 45 N/mm²
Water soluble chloride	≤ 0,05%
Restrained shrinkage/expansion	Bond strength after test ≥ 2,0 N/mm²
Elastic modulus	≥ 15 GPa
Capillary absorption	≤ 0,5 kg/m² · h^{0,5}
Dangerous substances	No performance determined

ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

Information and advice on safe handling, storage and disposal of the chemical product are contained in the official Safety Data Sheet (SDS).

NOTE

The information and recommendations relating to proper storage, handling and end-use of Ading's products are given based on our best knowledge and experience. The differences in substrates and ambient conditions are not covered with this information. The user shall refer to the official technical data sheet. ADING reserves the right to change its products. The proprietary rights of third parties must be observed. All orders are accepted under current terms of sale and delivery.

