

### **DECLARATION OF PERFORMANCE**

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

No. GDFF001/6

# **ADINGPOKS AKVA**

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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:

1

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+.







#### Declared performances:

Essential Characteristics	Performance	techi	Harmonised technical specification	
According to EN 1504-2				
Adhesion strength by pull- off test	≥ 2,0 N/mm <sup>2</sup>			
Abrasion resistance	< 3000 mg			
Permeability to CO <sub>2</sub>	S <sub>D</sub> > 50 m			
Permeability to water vapour	Класа II, 5 < S <sub>D</sub> ≤ 50 m			
Capillary absorption and permeability to water	< 0,1 kg/m <sup>2</sup> · h <sup>0,5</sup>	90		
Impact resistance	Class III ≥ 20 Nm After loading, no cracks, no delamination	EN 1504-2:2006 EN 1504-3:2006	2:2004 3:2005	
Thermal compatibility: Freeze-thaw cycling with de-icing salt immersion	Bond strength after 50 cycles ≥ 2,0 N/mm <sup>2</sup>	MKC EN 150	EN 1504-2:2004 EN 1504-3:2005	
According to EN 1504-3		ΣΣ		
Compressive strength	≥ 45 N/mm²			
Water soluble chloride	≤ 0,05%			
Restrained shrinkage/expansion	Bond strength after test ≥ 2,0 N/mm <sup>2</sup>			
Elastic modulus	≥ 15 GPa			
Capillary absorption	≤ 0,5 kg/m² · h <sup>0,5</sup>			
Dangerous substances	No performance determined			

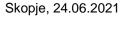
The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with the Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified in point 3.

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Signed for and on behalf of the manufacturer by:

General Manager,

Blagoja Donchev, Civ. Eng









## **CE MARKING**

Annex to DoP No.GDFF001/6

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/mm<sup>2</sup> < 3000 mg Abrasion resistance Permeability to CO<sub>2</sub>  $S_D > 50 \text{ m}$ 

Permeability to water vapour Класа II, 5 < S<sub>D</sub> ≤ 50 m

Capillary absorption and permeability to water

 $< 0,1 \text{ kg/m}^2 \cdot h^{0,5}$ 

Impact resistance Class III ≥ 20 Nm

After loading, no cracks, no delamination

Bond strength after 50 cycles

Thermal compatibility: Freezethaw cycling with de-icing salt

≥ 2,0 N/mm<sup>2</sup>

immersion

According to EN 1504-3

≥ 45 N/mm<sup>2</sup> Compressive strength

Water soluble chloride ≤ 0,05%

Bond strength after test Restrained shrinkage/expansion

≥ 2,0 N/mm<sup>2</sup>

≥ 15 GPa Elastic modulus

 $\leq$  0,5 kg/m<sup>2</sup> · h<sup>0,5</sup> Capillary absorption

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).

Information and advice on safe handling, storage and disposal or the cretinual product are contained in the Samuel Contained i



