

# ARMOGUARD N

## A migrating corrosion inhibitor – coating

### 1. Product characteristics

Single-component migrating inhibitor delaying corrosion of steel reinforcement in reinforced concrete.

- penetrates concrete, binds with iron, cleave on its surface and delays the initiation of corrosion
- has no influence on the concrete structure
- does not decrease vapor permeability
- significantly increases the lifetime of concrete
- easy application, supplied ready to use
- incombustible

### 2. Use

**ARMOGUARD N** is used as a preventative guard against corrosion of concrete-steel constructions, during repairs of concrete–steel constructions for treatment of corroding or corrosion threatened steel armor in places without visual damage to concrete. **ARMOGUARD N** is especially suitable for lengthening the lifetime of appearing concrete.

### 3. Physical and mechanical parameters

Color	Clear/colorless liquid
Density (kg/m <sup>3</sup> )	1 010
pH value	< 10.4

### 4. Test certificates

The product is certified according to Act No. 22/1997 Coll. and Governmental Decree No. 163/2002 Coll. Continuous independent production quality control is provided by AZL 1687 LABBET®. Supervision of quality management, environmental and OSH systems is performed by Certification Body No. 3029.

### 5. Instruction for preparation and application

Base. All dust, dirt and old coatings must be removed from surface of which **ARMOGUARD N** is supposed to be applied. The best way is to apply the coating on dry, absorbent surface.

Coating preparation. **ARMOGUARD N** is fit for direct application, does not require any further preparation.

Workability of the product is not limited.

Neither temperature of the base nor temperature of ambient air shall be below + 5 °C and above + 30 °C.

ARMOGUARD N coating is applied by spraying or by a roller or a brush. According to the absorption of the surface 1-2 layers are recommended, so the overall consumption is not lower than 0.2 kg/m<sup>2</sup>. Next layer can be applied directly after the previous one.

Surface treatment. Treated surfaces should be properly moistened once or twice a day for 1 – 3 days after the application to fasten the penetration.

### 6. Specific consumption

Spreading capacity (specific consumption) amounts to 0.2 ÷ 0.4 kg/m<sup>2</sup> in dependence to particular application.

### 7. Packaging and storage

**ARMOGUARD N** is supplied in PE buckets of 10kg weight. Store between +5°C and +40°C. The shelf life of undamaged original packing is 24 months. Protect against frost.

### 8. Health protection at work

Work with **ARMOGUARD N** does not require special safety and hygienic precautions. The appropriate protective clothing, gloves and glasses should be worn. In accidental contact with eyes rinse eyes wide open with running water and seek medical assistance. In case of accidental ingestion, do not induce vomiting, seek medical assistance.

Issued MSDS meets the requirements of EC-Regulation 1907/2006, Article 31.

Because the product meets the criteria for classification as hazardous, it is necessary to provide the recipient or carriers with MSDS.

In countries where regulation REACH (para. 33.1): EU regulation on chemicals and their safe use (REACH: EC 1907/2006) is valid, professional users and distributors must be provided with following information automatically and without request:

*This product is subject to Regulation (EC) No. 1907/2006 (REACH). It does not contain any substances that could be released from product under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation. Based on our*

current knowledge, this product does not contain SVHC (substances of very high concern) from candidate list published by the European Chemicals Agency in concentrations above 0.1% (w / w).

### 9. Waste disposal

During disposal of contaminated packages or clearing debris from product, it is necessary to follow the Act No. 185/2001 Coll. on waste, as amended.

### 10. Important notice

All information mentioned above, especially advice for processing and application of our products, is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral recommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received orders are subject to our current "General sales and delivery conditions". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at [www.betosan.cz](http://www.betosan.cz).

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CONCRETE REPAIR



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