

# DENSOCURE R



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CONCRETE REPAIR

## Curing agent/primer

### 1. Product characteristics

Single-component curing agent/primer on the basis of synthetic resins.

Meets the requirements of EN 1504-2.

- supplied in optimum consistence fit for direct application; no additional dilution is needed
- significantly reduces loss of batch water
- contributes to better hardening of surface parts of cement bond materials
- generated film is permanently water-resistant and resistant to alkaline environment
- applied by spraying, roller or manual coating
- enhances resistance of surface layers to effects of aggressive media (oils, oil products, inorganic salts, etc.)
- significantly inhibits effects of carbon dioxide upon surface concrete layers
- facilitates maintenance of treated floor layers

### 2. Use

**DENSOCURE R** is a single-component composition on the basis of synthetic resins, which is intended to reduce losses of the batch water from cement mortars and concretes used both for repairs of reinforced structures or castings and fabrication of new concrete elements and surfaces. **DENSOCURE R** is also used for treatment of floor structures equipped with the abrasion resistant layer of shake-ins of the **DEN-SOTOP** series. Application of this agent reduces loss of the batch water and improves hardening of a floor surface as well as reduces absorbance and closes the porous system of floor surface layers. It enhances chemical resistance of the floor surface and facilitates its maintenance. **DENSOCURE R** can be as also used as a primer – a penetration layer under protective coatings **DENSOCURE R forte** and **color**.

### 3. Physical and mechanical parameters

Requirements/results according to EN 1504-2

Properties	Declared value or class
Water penetration rate:	NPD
Penetration depth	NPD

#### Physical and mechanical parameters

Color of composition	Clear liquid
Color of generated film	Transparent
Density (g/cm <sup>3</sup> )	0.82 ± 0.04
Drying-out (untacky)	Up to 2 hours
Recoatibility	Up to 4 hours

### 4. Test certificates

Meets the requirements of EN 1504-2, attachment ZA, TP ŘSD Sec. 31 and TP SSBK III.

The product is certified according to Act No. 22/1997 Coll. and Regulation (EU) No 305/2011 of the European Parliament and of the Council (CPR). 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.** The base for application of the treatment spray are fresh laid or applied layers of repair materials, concretes and cement mortars and, generally, materials on cement basis. The treated surface shall not be covered by a continuous water film (the surface should be dully dump). Dirt, dust and possible residues of de-stripping agents shall be also removed.

**Preparation of curing agent.** The curing agent is supplied ready for application; no additional dilution is needed.

Neither temperature of the base nor temperature of ambient air shall be below + 5 °C and above + 35 °C.

**Application of treatment spray.** The curing agent **DENSOCURE R** is applied by sprayers to newly laid floors in particular. The treatment agent is applied to already hardened surfaces by mops or a roller. A brush is used for application to more articulated or small surfaces. The agent is usually applied in several layers so that total consumption of the treatment agent amounts to 100 - 130 ml/m<sup>2</sup>.

Tools and aids shall be cleaned by the diluent C 6000 immediately after completion of work.

## 6. Specific consumption

Specific consumption of the treatment agent amounts to 100 ÷ 130 ml/m<sup>2</sup>.

## 7. Packing and storage

**DENSOCURE R** is packed into metal cans with net content 9 kg or cans with net content of 0.9 kg. The shelf life of the product in original intact packing is 12 months.

## 8. Health protection at work

Work with the curing agent **DENSOCURE R** requires usual sanitary measures. During application use of common personal protective equipment (mask, rubber gloves) is assumed. The product is the combustible matter of class II. In case of accidental affliction of mucous membranes or skin wash thoroughly the irritated place and in case of accidental swallowing immediately cause vomiting. In both cases seek out medical aid. After work treat the skin by a suitable reparative cream.

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 (par. 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).

## 11. CE marking

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<b>BETOSAN s.r.o.</b> Na Dolinách 28, 147 00 Prague 4	
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1301-CPD-0295	
EN 1504-3:2005	
<b>DENSOCURE R</b> Curing agent/primer	
Water penetration rate	NPD
Penetration depth	NPD
Dangerous substances	meets 5.4

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