

DENSOCURE W forte

Sealing and finalization coating

1. Product characteristics

Water-soluble coating based on modified styrene-acrylate dispersion

- supplied in optimum concentration fit for direct application; no additional dilution is needed.
- significantly reduces loss of batch water
- contributes to better hardening of surface parts of cement based materials
- resulting film is permanently water and alkali resistant
- enhances resistance of surface layers to effects of aggressive media (oils, oil products, inorganic slats, etc.)
- water vapor permeable
- significantly slows carbonation of surface layers of concrete
- limits dusting and soiling of the surface

2. Use

DENSOCURE W forte is single-component water-soluble composition based on modified styrene-acrylate dispersion, which is intended for finalization of surfaces of cement mortars and concrete during repair of reinforced concrete structures. It is also used during concreting and construction of new concrete members and surfaces. Application of this agent reduces loss of batch water and improves hardening of concrete surfaces as well as reduces absorbance and seals the porous system of surface layer of concrete. This provides for improved chemical resistance of concrete surface as well as facilitates the maintenance of such surface. Besides it is also used for surface protection of fair-face brickwork, tile roofing and natural stone against water and aggressive elements of the atmosphere. Significantly reduces dusting of concrete surfaces and its consequent soiling.

3. Physical and mechanical parameters

Color of composition	Milky white
Color of generated film	transparent
Density (kg/m ³)	1 140 ± 50
Content of water-soluble chlorides (%)	< 0.01
Drying out (untacky)	till 2 hours
Recoatibility	after 6 hours

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. The base for application of the coating is fresh applied layers of repair materials, concretes and cement mortars and generally cement based materials. The treated surface shall not be covered by continuous water film (the surface should be dully dump). Dirt, dust and possible residues of de-stripping agents shall be also removed.

Preparation of coating. The coating is directly fit for application; no additional dilution is needed.

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

Application of coating. The coating **DENSOCURE W forte** is applied by spray especially to newly laid floors. The coating is applied to already hardened surfaces by mops or rollers. A brush is used for application to more articulated or smaller surfaces. The coating is usually applied in two layers so that total consumption of the coating amounts to 200 ml/m².

Tools and aids shall be cleaned by water immediately after completion of work.

6. Specific consumption

Specific consumption of the curing agent **DENSOCURE W forte** in two layers amounts to 150÷200 ml/ m² dependent on the absorbance and roughness of the surface.

7. Packing and storage

DENSOCURE W forte is packed into PE containers with net content 50 liters. The product shall be protected against frost. The shelf life of the product in original undamaged packing is 12 months. The product might be also packed into 10 liter PE containers upon agreement with the manufacturer.

8. Health protection at work

No extraordinary sanitary measures are necessary while working with the treatment agent **DENSOCURE W forte**. During application use of common personal protective equipment (mask, rubber gloves) is assumed. The product is incombustible and non-toxic (but also inedible). No organic diluents are released while working with this agent. In case of accidental affliction of mucous membranes or skin wash thoroughly the irritated place with warmish water. 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 (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.

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BETOSAN s.r.o., Na Dolinách 28, 147 00 Praha, Czech Republic
Business and technical Office Nová cesta 291/40, 140 00 Prague 4, Czech Republic
 Tel./fax.:+420 241 431 212, tel.:+420 241 431 215
 E-mail: paha@betosan.cz, www.betosan.cz