

DENSOCRETE 222



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CONCRETE REPAIR

Adhesive bridge

1. Product characteristics

Single-component adhesive composition based on water-soluble modified acrylate dispersion.

- supplied in optimum application consistence
- ready for direct application
- perfect adhesion to concrete base
- permanently water-resistant
- permanently resistant against alkaline environment
- applied by roller coating
- absolutely harmless concerning public health and environment
- water-soluble, no organic diluents present
- non-flammable

2. Use

DENSOCRETE 222 is a single-component liquid composition intended for proper anchoring of cement and polymer cement materials to the concrete base. It is especially practical for making an adhesive layer between the concrete base and coating materials from the **DENSOFIX** series, in cases of repairs of damaged concrete and reinforced concrete surfaces or application of self-leveling material **NIVELITH F** and spread coatings **MONOLITH S (EH)**.

3. Physical and mechanical parameters

Color	milky white
Density (kg/m ³)	1014 ± 35
Adhesion to base (MPa)	> 1.2

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. Laitance or any incoherent, loose, weatherworn or otherwise visibly damaged concrete shall be completely removed from the repaired concrete surface before application. The concrete surface cannot be contaminated by substances negatively effecting adhesion to the base (fats, greases, oils, etc.). Tensile strength of concrete surface layers shall be 1.5 MPa at least.

Preparation of adhesive bridge. The composition is ready for application and no treatment is needed before application to concrete surface.

Workability. Workability of the adhesive bridge is unlimited. The composition shall be suitably protected against desiccation.

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

Bridge application. Before application of the **DENSOCRETE 222** adhesive bridge it is practical to slightly moisten the concrete surface especially in an environment with significantly reduced relative humidity and higher temperatures. The composition is applied by rollers, a mop or, as the case may be, a brush. Spraying of the composition is not recommended. In cases of extraordinary absorbent and dry bases repeated application of the adhesive bridge (two or three times) with technological break of min. 120 minutes is recommended. The repair mortar, newly laid concrete, spread coating, etc. is applied into the applied adhesive bridge without delay. Application should be performed within 24 hours after application of the last layer of the adhesive bridge at the latest.

Open time. The anchoring layers should be applied within 24 hours after application of the last layer of the adhesive bridge at the latest. Surface dusting, contamination by substances reducing adhesive power of the composition, etc. shall be avoided during this period.

All aids and tools shall be rinse by water immediately after termination of work. If the adhesive film is created, the composition is not water-soluble anymore and its removal is practically impossible.

6. Specific consumption

Specific consumption of adhesive bridge amounts to 0.15 ÷ 0.3 l/m² in dependence on the absorbability and roughness of the surface.

7. Packing and storage

DENSOCRETE 222 is supplied in plastic enclosed buckets of 10 liters or 1 liter net volume. It shall be protected against freezing. Shelf life in original closed packing is 6 months.

8. Health protection

No particular safety measures are necessary for handling **DENSOCRETE 222**. Rules applicable to work with dispersion paints are to be adhered to. Any contamination of mucous membranes and skin is to be prevented. It is forbidden to eat, drink or smoke while handling this product. In case of unintended swallowing, it is necessary to provoke vomiting and to call medical assistance. The composition is non toxic, however inedible. Upon termination or interruption of work affected skin shall be immediately washed with water and soap and treated with suitable regenerative cream. All tools are to be washed with water immediately upon termination of work.

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

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 sub-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 are orders 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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