

SUPERCAST SWX

Single-component PU sealing paste for construction joints

1. Product characteristics

SUPERCAST SWX is a single-component sealing paste for construction joints, intended for proper and permanent sealing of joints in inaccessible places and/or complicated details. After contact with water a positive pressure is created pushing against the walls of the concrete joint and therefore prevents the water leaking through.

- easy and fast application
- can be applied on wet surface
- excellent adhesion
- chemically neutral
- resistant to solvent free separating oils

2. Use

SUPERCAST SWX is a single-component elastomeric paste on PU resin basis, expanding after contact with water. Due to its hydrophilic properties exhibits a consistent expansion during repeated wet/dry cycles. In fresh concrete the expansion in minimum and the main volume expansion happens after the initial concrete hardening. Exceptionally efficient for sealing precast segments, joints in precast tunnel covers, cable ducts, pipes, as well as between rough surfaces, e.g. between walls and horizontal concrete slabs or for sealing of the passages in concrete structures. Finally **SUPERCAST SWX** can be used for sealing of the construction around the common rubber and plastic dilatation strips, before the concrete is poured. Putty can put another layer after a very short time.

The sealant can be overlaid in a very short time. During emergency repairs, concrete can be manually poured after 2 hours already, in larger volume the concrete can be poured after 8 hours.

3. Physical and mechanical parameters

Color	grey
Loosing stickiness at 20 °C and RH 50%	ca after 1 hour
Hardness Shore „A“	30
Hardening rate at 20 °C and RV 50%	3 mm in 24 hours
Volume expansion after contact with water at 20 °C	200%

4. Test certificates

The product is certified according to § 12 of Act No. 22/1997 Coll. and according to § 6 of Government Regulation No. 163/2002 Coll. as amended.

Continuous independent production quality control is provided by AZL 1687 LABBET®.

Supervision of Quality Management Systems, Environmental Relations and OSH is carried out by Certification Body No. 3029

5. Instruction for preparation

Base: The base must be firm and coherent. All dust, grease and dirt must be removed from the surface. It can be dully damp, but not wet.

Application: Material is supplied ready for direct application. The sealant is pressed out to the surface from the cartouche or Al packet in a continuous strip (layer) of at least 15 mm in diameter.

After application the material must not come in contact with water for at least 30 minutes. (During hardening the **SUPERCAST SWX** material must be protected against heavy rain, as it may cause an early expansion).

The material can be overlaid by manual concreting after 2 hours if necessary, in case of large volume concreting, it is recommended to wait at least 8 hours.

The applied sealant must be overlaid by concrete in at least 70 mm of layer thickness, so it can absorb the pressure of the sealant expansion. **SUPERCAST SWX** material creates a solid bond with concrete.

6. Specific consumption

One **SUPERCAST SWX** cartouche of 310 ml can fill up a joint of 1.5 m at 16 mm of created layer.

7. Packing and storage

SUPERCAST SWX is supplied in PE cartouches of 310 ml and aluminum packets of 600 ml. Store at dry cool place at temperatures between +5 °C to +25 °C.

Shelf life of the product in original undamaged packing is at least 6 months.

8. Health protection at work

Handling the **SUPERCAST SWX** material does not require any extraordinary hygienic precautions. A suitable protective clothing, gloves and equipment for face/eyes protection shall be used during work. The sealant can be applied only in well ventilated areas. In case of accidental eyes contamination, rinse them with water immediately

and seek medical help. In case of contact with skin, wash the affected area with water immediately. In case of an accident or if you don't feel well, seek medical help immediately.

SUPERCAST SWX is a flammable material Class III. Risk of explosion if heated under confinement.

More information on health and safety and environmental protection is listed in the MSDS.

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.

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