



Single-component insulation spread system on MS polymer basis for sloping and vertical surfaces and suspended ceilings

1. Product characteristics

Single-component insulation spread material based on MS polymers for permanent hydro-insulation against ground moisture and pressurized water

- supplied as single-component, solvent-free
- ready for direct application
- does not require base priming
- hygienic, eco-friendly
- watertight
- permanently frost-resistant
- perfect adhesion to concrete base

2. Use

WODAFLEX TH is a single-component permanently flexible, hydro-insulation spread based on MS polymers intended for hydro-insulation of various concrete and reinforced concrete structural elements. It designed for sealing of concrete structures surfaces in hydro technical structures, water treatment industry and so on. It can be used for coating of reservoirs or water pipes. It can be also used as a hydro-insulation layer on cohesive lime-cement plasters, masonry built of aerocrete blocks, burnt brick or plasterboard and other cohesive substrates. It is suitable for sealing of asphalt strips and coverings. Material also proves well in hydro-insulation applications in permanent contact with soil, like cellars, structures foundations, basement-less buildings and joints of pipes passages. Another area of **WODAFLEX TH** use is repair work on flat roofs, like connections between roof and chimneys, roof-lights and flashing. Material can be as well used for sealing of joints between concrete prefabricates.

3. Physical and mechanical parameters

Requirements / results according to EN 14891

		Testing method	Requirements	Results
Adhesion to base (MPa)	initial	EN 14891	> 0.5	> 0.8
	after contact with water	EN 14891	> 0.5	> 0.8
	after aging in heat	EN 14891	> 0.5	> 0.8
	after de-icing cycles	EN 14891	> 0.5	> 0.8
	after contact with limewater	EN 14891	> 0.5	> 0.8
Water tightness		EN 14891	no penetration	no penetration
Crack-bridging ability under normal conditions		EN 14891	> 0.75	> 2.5 mm

Additional parameters

Bulk density	1 560 ± 20 kg/m ³
Color	non-standard light grey
Absorbability (%)	0
Drying out time between coat layers under 20 °C (hours)	~ 4
Water-tightness (under positive water pressure)	> 8 bars (80 m of water column)

Chemical resistance: WODAFLEX TH resists well to many chemicals. Resistance to specific chemical needs to be checked with the manufacturer.

4. Test certificates

Meets the requirements of EN 14891.

The product is certified according to Act no. 22/1997 Coll. and the Regulation (EU) no. 305/2011 (CPR). Continuous independent control of production quality ensures the AZL 1687 LABBET®.

Supervision of quality management system, relation to the environment system and occupational health and safety system performs the certification body no. 3029.

5. Instruction for preparation and application

Base. Any incoherent, loose, weatherworn or otherwise visibly damaged concrete shall be completely removed from the base surface. The concrete surface cannot be contaminated by substances negatively effecting adhesion to the base (fats, greases, oils, etc.). If the substrate is soiled with asphalt, bitumen or tar or the screed is to be applied on asphalt stripes, it is necessary to apply primer coating using **WODAFLEX KP**. This material is suitable even for very absorptive surfaces.

Workability. **WODAFLEX TH** is supplied ready for direct application. Material reacts with air humidity and therefore it is necessary to use up the material in 120 minutes from opening of the packaging.

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

Application of the spread. The spread is applied on the base evenly using velour roller with short hair. First layer must be sufficiently set prior to application of second layer (4 hours, at 20 °C, and RH > 65%). Screed can be applied by brush or asphalt broom in tight corners or larger surfaces.

In case of hydro-insulation of structures exposed to non-pressurized water, it is recommended to strengthen the spread with a glass fabric in the connection between walls and horizontal surfaces. The glass fabric should have minimum weight of 110 g/m² and openings of 4x4 mm into first layer. In case of hydro-insulation of structures exposed to pressurized water, it is recommended to strengthen the screed with glass fabric in entire area.

Curing time. The spread can be fully loaded after 24 hours under 20 °C.

Tools cleaning. Tools must be cleaned immediately upon end of work. Cured material can be cleaned off only by mechanical means.

Warning. After opening of the original packaging, it is necessary to use up the material or remainder of the material seal air-tightly.

6. Specific consumption

Specific consumption of the water proofing coating **WODAFLEX TH** amounts to 1.2 ÷ 1.5 kg/m² in two layers coat. This consumption yields layer thickness of approximately 1.0 mm.

7. Packing and storage

WODAFLEX TH is supplied in PE buckets of 7 or 14 kg or cans of 1 kg. The shelf life of the product in original undamaged packing is 12 months. During transportation and storage the material must be efficiently protected against frost.

8. Health protection at work

Handling **WODAFLEX TH** single-component spread system does not require any extraordinary hygienic precautions. The material doesn't contain any harmful substances. Standard hygienic precautions should be followed and gloves and protective clothing should be worn. In case of contact with skin or mucous membrane, the contaminated area should be immediately washed with a continuous stream of water. In case of accidental swallowing seek medical attention.

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



11. CE marking

CE 19		
BETOSAN s.r.o. Na Dolinách 28, 147 00 Prague 4		
WODAFLEX TH		
4-25/072013		
Adhesion to base (MPa)	initial	> 0.8
	after contact with water	> 0.8
	after aging in heat	> 0.8
	after de-icing cycles	> 0.8
	after contact with limewater	> 0.8
Water tightness		no penetration
Crack-bridging ability under normal conditions		> 2.5 mm
EN 14891:2017		
1301		
Waterproof coating		

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WATERPROOFING

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