



High quality insulation slurry for SANOFIX restoration mortars

1. Product characteristics

Two-component permanently elastic hydro insulation material consisting of dry component on inorganic basis and water soluble modified polymer dispersion. Meets the requirements of EN 14891.

- supplied in specified components ratio
- very good workability
- can be applied on wet substrate
- perfect adhesion to base
- permanently resists to high water overpressure
- highly elastic, able to bridge even active cracks
- permanently resists to effects of acidic solutions up to pH 1.5 and alkali solutions up to pH 13.0
- creates an efficient barrier against radon penetration

2. Use

SANOFIX WPV is a two-component permanently elastic polymer-cement sealing suspension intended for hydroinsulation of new buildings, basements and parts of buildings against soil moisture from the external side and against rising damp in the bed joints of the walls with high shear adhesion. It proved well also as a protection against effects of moisture from the external side of structures and cracks bridging insulation especially in new buildings. It can be also used as an efficient anti-radon protection.

SANOFIX WPV coating cannot be considered an aesthetical surface finalization.

3. Physical and mechanical parameters

Requirements / results according to EN 14891

		Testing method	Requirements	Results
Adhesion to base (MPa)	initial	EN 14891	> 0.5	> 1.5
	after contact with water	EN 14891	> 0.5	> 1.2
	after warm aging	EN 14891	> 0.5	> 1.5
	after thawing cycles	EN 14891	> 0.5	> 1.1
	after contact with limewater	EN 14891	> 0.5	> 0.9
Water-tightness		EN 14891	no penetration	no leakage
Crack-bridging ability at normal conditions (mm)		EN 14891	> 0.75	> 1.0

Physical and mechanical parameters

Color - dry component	white
- liquid component	white
Color of the coating	white
Bulk density of the dry component (kg/m ³)	1 550 ± 50
The minimum film forming temperature of the liquid component (°C)	> 1
Tensile strength (MPa)	> 1.5
Elongation	> 30 %
Diffusion resistance R _d H ₂ O (m)	< 4
Radon diffusion coefficient D (m ² /s)	9.4x10 ⁻¹² ± 0.5x10 ⁻¹²

4. Test certificates

Meets the requirements of EN 14891. 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 Systems, Environmental Relations and OSH is carried out by Certification Body No. 3029.

5. Instruction for preparation and application

Base. Any old, incoherent, loose, weatherworn or full of salts plasters, loose masonry, all non-homogeneities, old wooden blocks, metal particles, handles etc. must be completely removed from the surface of the base. The surface cannot be contaminated by substances negatively affecting adhesion to the base (fats, greases, oils, etc.). The surface must be especially dust free. Possible caverns or other surface defects should be filled by **MONOCRETE PPE TH**, or **WATERFIX XP TH** rehabilitation mortar. To ensure a proper adhesion to a very dry base, it is recommended to prime the base with **DENSOCRETE 222** agent, diluted in ca 1:5 in dependence on the absorbability of the base. In case of application in exterior, it is necessary to ensure that the substrate layers are frost resistant.

Insulation coating preparation. **SANOFIX WPV** is supplied in a specified ratio of dry and liquid component, which is 2.8 : 1 of the weight. The coating is prepared by constant mixing and gradually adding the specified amount of water to the dry component, until a mushy consistence suitable for application is achieved. In dependence on type of application or the purpose of it, up to 10 % of water can be added. In case of further diluting of the coating, the mix must be perfectly homogenized.

Workability of the product is max. 60 minutes at 20 °C and relative humidity 50 to 70 %. Prepared suspension must be protected against desiccation

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

Application of the insulation coating. The coating is applied by a brush or a roller in at least two or three layers. Application should be crisscross (brush or roller movements in two perpendicular directions). Second, resp. third layer can be applied after hardening of the previous one, i.e. ca after 24 hours. Minimum layer thickness for coating exposed to pressure water must be at least 1.5 mm. In other cases a recommended layer thickness is 1 mm, applied in two layers. In corner parts, edges and areas where is a risk of expansion of the base, a sealing butyl-rubber strip should be inserted in the coating (e.g. **WATERFIN TP**).

6. Specific consumption

Specific consumption to create an insulation coating of 1 mm layer thickness amounts to 1.6 to 2.0 kg/m² in dependence on roughness and absorbability of the base.

7. Packing and storage

Dry component is supplied in PE-lined paper bags of 25 kg or PE buckets of 12.5 kg. Liquid component is supplied in PE buckets of 9 liters or 4.5 liters net. **SANOFIX WPV** dry component must be efficiently protected against moisture during transportation and storage, the liquid component must be protected against frost. The shelf life of the product in original undamaged packing is 12 months for both dry and liquid components.

8. Health protection at work

Handling **SANOFIX WPV** two-component hydro insulation system does not require any extraordinary hygienic precautions. The product (dry component) contains alkalis and therefore any contamination of mainly eyes or mucous membrane must be prevented.

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 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



11. CE marking

 1301		
BETOSAN s.r.o. Na Dolinách 28 147 00 Prague 4		
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5-17/072013		
EN 14891:2013		
SANOFIX WPV <i>High quality insulation slurry for SANOFIX restoration mortars</i>		
Adhesion to base (MPa)	initial	> 1.5
	after contact with water	> 1.2
	after warm aging	> 1.5
	after thawing cycles	> 1.1
	after contact with lime water	> 0.9
Water-tightness		no leakage
Crack-bridging ability at normal conditions (mm)		> 1.0

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