

SE 1

Waterproofing



Elastic, fluid, quick-drying, tight sealing foil ready for direct processing.

DECLARATION:

Liquid-applied impermeable dispersion product, resistant after contact with chlorinated water, type/class DMP according to EN 14891.

APPLICATION:

Waterproofing intended for use in **internal environments** on supporting mineral bases (cement and lime-cement plasters, concrete, anhydrite), plasterboard, wood particleboards and cement-bonded particleboards, etc.

In the dry state, it creates surface insulation of areas subject to transient (rinse) humidity (such as toilets, bathrooms, shower boxes, and the like) – seamless insulation free of joints.

It creates a **base for the gluing of ceramic tiles and natural or artificial stones.**

At increased moisture load, the tiled floor areas (such as a shower box) must have a gradient of least 2%.

This product is suitable for heated floors.

This product is not suitable for swimming pools, or areas permanently loaded with high-pressure water, or areas subject to shear stress, and rising humidity.

In subsequent use of the recommended AD series adhesives, this product creates a system that is suitable for humid and wet areas.

Characteristic features:

- watertight integrity
- easy and trouble-free processing
- permanently flexible insulating material with high elasticity

COMPOSITION:

Solvent-free material on the basis of synthetic dispersion and mineral additives.

TECHNICAL PARAMETERS:

MANDATORY			
Initial tensile adhesion strength	min. 0.5 MPa	Tensile adhesion strength: - after water contact - after heat ageing - after contact with lime water - after contact with chlorinated water	min. 0.5 MPa
Watertight integrity:			
- penetration of high-pressure water (150 kPa)	0 mm		
- weight gain	max. 20 g		
Crack-bridging ability under standard conditions	min. 0.75 mm		

INFORMATIVE	
Colour	beige/green *)
Consistency	semi-liquid
Volume weight	approx. 1.5 kg/m ³
Dry-matter content	min. 75% by weight
Ph value	approx. 8.0
Method of application:	using the roller or brush
Drying time/final walking surface (at 20°C)	approx. 12 hours (at two layers)

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TECHNICKÝ LIST /

INFORMATIVE		
Required number of layers:		2
Tiles – gluing after full drying (at 20°C and 50 % air relative humidity)	on absorbent bases	after approx. 12 hours
	on non-absorbent bases	after approx. 24 hours
Approximate coverage (depending on the base type):	for two coatings**)	1.2-1.6 kg/m ²
	for the installation of SE 5 insulation tape	250 g/running metre
Tensile strength		min. 3.0 MPa
Relative elongation		min. 35 %
*)	manufacture in shades of green only to order	
**)	usage is higher on rough surfaces, or in use of elastic fabric	

NOTE: The technical parameters are determined under standard conditions (23 ± 2)°C and (50 ± 5)% of relative air humidity.

BASE PREPARATION:

The base should have shape stability, must be dry, solid, free of dust, free of released particles, and free of film-forming agents with the effect of separation. The base surface should allow the application of a continuous layer. Plasters containing gypsum, gypsum plasterboards, and the like, must be roughened before application. Mineral bases and building materials containing gypsum are to be penetrated using PE 201. Wood particle boards, OSB boards, or similar panels should be securely installed without any deflection.

PROCESSING:

After drying of penetration, apply the gently mixed, undiluted waterproofing SE 1, using a roller, or brush. If the surface is dry, the second layer should be applied. After approx. 1-2 hours (depending on the environmental conditions and suction capacity of the base), apply diagonally the 2nd layer of waterproofing. For better control of the second coating, it is recommended to perform waterproofing in two colour shades: for example, the 1st coating in beige, and the 2nd coating in green (the green shade is only available to order). If the air temperature exceeds +20°C, it is necessary to count with the early creation of thin layer (surface film). For the sealing of corners, joints, and the bridging of expansion joints, use the SE 5 flexible sealing tape of appropriate width. The flexible sealing tape must be pressed into the fresh waterproofing, and overlaid with another layer. Tape connection (for example, when insulating inside and outside corners) is to be done by resealing the tape with waterproofing. Flexible sealing tapes should always be applied before full-area coating. The fresh water-proofing material should be protected against the effects of moisture. After approx. 12-24 hours (depending on the environmental conditions and suction capacity of the base), after the last layer, wall and floor tiles can be glued. Working tools need to be thoroughly cleaned with water after use.

CAUTION:

- Passivation of metallic elements should be carried out before application of this product. Contact with metals can result in corrosion, and subsequent damage to waterproofing.
- Related civil engineering structures should be carefully covered and protected from contamination.
- This product should not be processed in direct sunlight, or high air humidity.
- Before processing, stir thoroughly the stopper using a low-speed stirrer.
- It is inadmissible to add additional binders and other additives.
- The material can be processed only under air and base temperature ranging from +5°C to +30°C! Lower temperatures and higher relative humidity prolong the time of drying and load-bearing capacity!
Do not apply if frost conditions are expected!
- No warranty is accepted for permanent overlay of construction and technical cracks exposed to extreme movements!
- Leave the unused residues to air harden (dry) – they can be disposed of as construction wastes; contaminated containers should be disposed of in a controlled landfill (see the Safety Data Sheet).
- Only completely emptied and clean packaging may be handed over to recycling.

FIRST AID, SAFETY AND HYGIENE REGULATIONS:

See the product Safety Data Sheet.

STORAGE:

Store the product protected from frost at a temperature ranging from +5°C to +30°C. The minimum storage time is 12 months, if the product is stored in the originally closed buckets. The expiration date is specified on the packaging.

SHIPPING:

The product is supplied in 8 kg or 24 kg plastic containers.

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QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- The production control system is used in manufacture, and a certified quality management system, according to ISO 9001, is applied.
- Continuous surveillance and proving the conformity of products (if necessary) is ensured by TZÚS Prague, OS 1020.

DISTRIBUTOR:

LASSELSBERGER, s.r.o., Adelova 2549/1, 320 00 Pilsen – Jižní Předměstí

VALIDITY:

Since 1 November 2015

We reserve the right to make any changes that are the result of technical progress. This issue cancels and supersedes all previous issues.

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