

EXOLINE® AQUA STOP B+B

Pre-mixed vapour- and watertight plaster | MSZ EN 998-1:2016



TECHNICAL DATA SHEET

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MANUFACTURER:

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EU AUTHORISED REPRESENTATIVE:

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BASIC PRODUCT DATA:

Customs tariff code: 32149000

Standard: MSZ EN 998-1:2016

Fire class: A1

Packaging: 25 kg, 500 kg, 1000 kg

Shelf life: 12 months

1. PRODUCT DESCRIPTION

The **Exoline® Aqua Stop B+B** is a factory pre-mixed, cement- and lime-bound, hydraulically setting dry mortar containing a special **Exoline®** additive. The product is a ready-to-use, universal, hydrophobic, vapour- and watertight plaster for interior and exterior use in accordance with MSZ EN 998-1:2016.

The material is hydrophobic and is therefore excellently suited for sealing against both positive and negative side water pressure. The plaster can be used as a vapour- and watertight system on a range of building materials: brick, concrete, natural stone, adobe and mixed masonry. Thanks to its direct tileability, the **Exoline® Aqua Stop B+B** plaster can replace several traditional waterproofing technologies.

2. PRODUCT IDENTIFICATION

Product name	Exoline® Aqua Stop B+B
Product type	Hydraulically setting vapour- and watertight plaster
Form	Powder dry mortar (one-component)
Customs tariff code (HS)	3214 90 00
Harmonised standard	MSZ EN 998-1:2016 - Plastering mortar (GP/W0)
Fire class	A1 (non-combustible)
CE marking	Yes
EAN	5060421890081

3. TECHNICAL DATA (MSZ EN 998-1:2016)

Physical state	Powder (dry mortar)
Colour	Grey
Components	One-component
Binder	Cement + hydrated lime
Fire class	A1
Capillary water absorption (W_0)	0.1 kg/(m ² ·min ^{0.5})
Water vapour diffusion resistance factor	$\mu > 10$
Air content	≈ 10 %
Compressive strength (CS III)	≥ 6.5 MPa
Flexural strength	≥ 2.0 MPa
Bond strength	≥ 0.5 MPa
Water penetration	XV3 (H) - manufacturer's data
Frost resistance	XF4 - manufacturer's data
Max. layer thickness	30 mm/layer
Consumption	≈ 14-16 kg/m ² /cm
Processing time	≈ 2 hours (at 20 °C)
Mixing	Low-speed mixer, max. 600 rpm, 5-6 minutes

Note: The values given are reference values determined on the basis of the EN 998-1:2016 standard and manufacturer's tests. Actual values may vary from batch to batch within the limits of the quality-control tolerances. Sulphate, acid and alkali resistance is verified by manufacturer's tests.

4. COMPOSITION AND DECLARATION

The **Exoline® Aqua Stop B+B** contains the following components:

- Portland cement (CEM) - binder
- Hydrated lime (Ca(OH)₂) - improves workability and compactness
- Graded natural sand - filler, graded particle size
- **Exoline®** special additive (**ExoBase™**) - vapour- and watertightness performance
- Rheological and property-enhancing additives - workability, adhesion, frost resistance

The product contains no asbestos or mineral fibres. The material is biocompatible, non-radioactive, and resistant to sulphates, acids and alkalis. REACH-compliant composition.

5. FIELD OF APPLICATION AND BENEFITS

SUITABLE SUBSTRATES

- Brick masonry - full compatibility
- Concrete surfaces - interior and exterior use
- Natural stone and mixed masonry
- Adobe-based masonry
- Concrete and block brick masonry

TYPICAL AREAS OF USE

- Sealing of cellar walls and underground car parks against positive and negative water pressure
- Protection of tunnels, shafts and service spaces against water ingress
- Internal plastering of water reservoirs, wastewater tanks and fire-water tanks
- Swimming pools, garden ponds, showers and bathrooms

KEY BENEFITS

- Effective sealing against positive and negative water pressure
- Can be tiled directly with ceramic coverings - without a separate adhesive layer
- High watertightness class: XV3(H) performance, XF4 frost resistance
- Replaces liquid-applied waterproofing, bituminous membranes and sheet systems
- Vapour-permeable structure - reduces salt efflorescence and mould formation
- Can be applied by machine or by hand - long service life

6. SURFACE PREPARATION AND PROCESSING

SURFACE PREPARATION

- The substrate must be sound, load-bearing and free from dust, oil and grease
- Loose plaster residues and coatings must be completely removed
- On smooth surfaces, raking out the joints to a depth of 2-3 cm is recommended
- Before plastering, the surface must be thoroughly pre-wetted (but must not be glistening wet)

MIXING AND APPLICATION

- Mixing method: low-speed mixer (max. 600 rpm)
- Mixing time: 5-6 minutes; rest 2-3 minutes, then brief re-mixing
- Application: by hand plastering or with a plastering machine
- Recommended number of layers: 2-3 layers, max. 10 mm per layer (20-30 mm in total)
- Processing time: approx. 2 hours at 20 °C (shorter at higher temperatures)
- Smoothing the surface: a wooden float is recommended

AFTER-CARE AND PROTECTION

- At temperatures above +25 °C, keep damp by spraying with water for a few days
- Must be protected from: direct sunlight, draught, frost and driving rain
- Temperature range for fresh plaster: +5 °C ... +30 °C

7. HEALTH, SAFETY AND ENVIRONMENT

Product name	Exoline® Aqua Stop B+B (powder)
CLP classification	Skin Irrit. 2 (H315), Eye Dam. 1 (H318)
Hazard statement	H315: Causes skin irritation H318: Causes serious eye damage
Precautionary statements	P260, P280, P305+P351+P338, P302+P352
VOC content	<1 g/l (in powder form: 0)
REACH compliance	Yes (Regulation (EC) No 1907/2006)
SDS availability	exoline@exoline.co.uk / manufacturer's safety data sheet

The **Exoline® Aqua Stop B+B** contains cement. On contact with water, cement forms an alkaline solution (pH > 12) which may cause skin and eye irritation. Classification under the EU CLP Regulation (EC) No 1272/2008:

MANDATORY PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Protective gloves - nitrile or neoprene gloves to EN ISO 374
- Safety goggles - closed safety goggles to EN 166
- Dust mask - FFP2 category (EN 149 standard)
- Protective clothing - long-sleeved, dust- and liquid-resistant workwear

ENVIRONMENTAL REQUIREMENTS

- The hardened material is neutral, non-hazardous waste - it can be handled as normal construction rubble
- Liquid residues must not be discharged into drains or surface waters
- Waste management: EWC 17 01 01 (concrete) - in accordance with local regulations

8. STORAGE, TRANSPORT AND PACKAGING

Pack sizes	25 kg bucket or bag 500 kg big bag 1000 kg big bag
Storage conditions	In a dry place protected from the weather, between 5-35 °C
Shelf life	12 months in unopened packaging
Transport classification	Not dangerous goods (for ADR/RID purposes)
Tool cleaning	With water before setting; after setting only mechanically

9. EU CONFORMITY AND APPLICABLE STANDARDS

Basis of CE marking	Regulation (EU) No 305/2011 Construction Products Regulation (CPR)
Harmonised standard	MSZ EN 998-1:2016 - Plastering mortar (GP/W0 - watertight plaster)
Declaration of Performance (DoP)	EXO-ASBB-004-25KG Issued by: Exoline Ltd.
REACH	Compliance with Regulation (EC) No 1907/2006 ensured
CLP	Regulation (EC) No 1272/2008 - classification, packaging, labelling
Biocide (BPR)	Not relevant - the product contains no biocidal active substance
RoHS	Not relevant - not an electrical/electronic product

10. LEGAL NOTICE AND LIABILITY

This Technical Data Sheet is based on the current technical knowledge and experience of Exoline Ltd. The data derive from tests carried out under laboratory conditions. Actual performance may depend on the application conditions, the substrate and the quality of preparation.

Exoline Ltd. accepts no liability for damage arising from improper application or application not carried out in accordance with the instructions. Correct application, compliance with the instructions and conformity with local building regulations are the responsibility of the user.

This Technical Data Sheet may be copied and attached to other project documents; however, the document so created may not modify or replace the requirements of the Technical Data Sheet valid at the time of use of the **Exoline®** product.

The manufacturer reserves the right to modify the technical data, the composition and the product specifications without prior notice. Always use the current, valid data sheet

The latest version is available on the www.exoline.co.uk website.

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SIGNATURE

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