

EXOLINE® AQUA STOP D+

Waterproof tile adhesive | MSZ EN 12004-1:2017



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 12004-1:2017

Fire class: A1

Pack sizes: 25 kg, 500 kg, 1000 kg

Shelf life: 12 months

1. PRODUCT DESCRIPTION

Exoline® Aqua Stop D+ is a factory pre-mixed, cement-based, hydraulically setting tile adhesive mortar that provides outstanding bond strength and effective moisture protection. Thanks to its hydrophobic character it reduces water absorption while preserving the vapour permeability of the system, thereby contributing to greater durability of the structure and improved frost resistance.

The product is suitable for both interior and exterior use; it is a slip-resistant tile adhesive with improved adhesion, extended open time and deformability, delivering reliable long-term performance in a wide range of tiling systems.

2. PRODUCT IDENTIFICATION

Product name	Exoline® Aqua Stop D+
Product type	High-bond-strength hydraulic tile adhesive mortar
Format	Powder-form dry mortar
Customs tariff code (HS)	3214 90 00
Harmonised standard	12004-1:2017
Fire class	A1 (non-combustible)
CE marking	Yes
EAN:	5060421890272

3. TECHNICAL DATA (MSZ EN 12004-1:2017)

Physical state	Powder
Colour	Grey
Components	One-component
Fire class	A1
Initial tensile adhesion strength	≥ 1.0 MPa
Tensile adhesion strength after water immersion	≥ 1.0 MPa
Tensile adhesion strength after heat ageing	≥ 1.0 MPa
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 MPa
Open time (after 20 minutes)	≥ 0.5 MPa
Slip	≤ 0.5 mm
Deformability	≥ 2.5 mm (S1)
Fire class	A1
Initial tensile adhesion strength	≥ 1.0 MPa
Tensile adhesion strength after water immersion	≥ 1.0 MPa
Tensile adhesion strength after heat ageing	≥ 1.0 MPa
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 MPa
Mixing	Low-speed mixer, max. 600 rpm, min. 5 minutes

4. COMPOSITION AND DECLARATION

Exoline® Aqua Stop D+ consists of the following components:

- Portland cement (CEM 42/II) - binder
- Graded sand
- Rheological admixtures - workability and compactness
- **ExoBase™** hydrophobic technological admixture - reduces capillary water absorption, increases watertightness
- Property-enhancing admixtures - durability, abrasion resistance, frost resistance

The product contains no asbestos or mineral fibres. The material is biocompatible, non-radioactive and resistant to sulphates (ASTM C88), acids and alkalis. REACH-compliant composition.

5. FIELD OF APPLICATION AND BENEFITS

TYPICAL FIELDS OF APPLICATION

- Bonding of ceramic, stoneware and porcelain tiles
- Laying of natural and engineered stone coverings (non-staining types)
- Interior and exterior wall and floor coverings
- Wet rooms (bathroom, kitchen, shower)
- Balconies, terraces and façade claddings
- Tiling of underfloor-heating systems

OTHER APPLICATIONS

- Bonding of small- and medium-format tiles
- Laying new tiles during refurbishment on a suitably prepared substrate
- Tiling of cement-bound substrates (screed, concrete)
- Use on gypsum and anhydrite substrates after suitable priming
- Bonding onto existing tiles with appropriate preparation

KEY BENEFITS

- High bond strength: ≥ 1.0 MPa (class C2)
- Extended open time (E): safer tiling with a longer working period
- Slip resistant (T): ≤ 0.5 mm - ideal for wall tiling
- Deformable (S1): ≥ 2.5 mm - accommodates thermal movement
- Hydrophobic character: reduced water absorption, better moisture protection
- Frost- and weather-resistant: also suitable for exterior use
- Good workability: easy to mix and apply
- Vapour-permeable structure: contributes to the durability of the covering

6. SURFACE PREPARATION AND APPLICATION

SURFACE PREPARATION

- The substrate must be sound, load-bearing and free of dust, oil and grease
- Loose, flaking material and old coatings must be completely removed
- Highly absorbent surfaces must be primed
- On non-absorbent surfaces (e.g. existing tiles), a bonding bridge must be used

MIXING AND APPLICATION

- Mixing method: low-speed concrete mixer (max. 600 rpm)
- Mixing time: min. 5 minutes; re-mix for 2 minutes before application
- The adhesive must be applied with a notched trowel
- Tiles must be placed into the fresh adhesive ("wet-on-wet" method)
- The notch size is determined by the tile format and the loading
- Working time: approx. 20-30 minutes at 20 °C (shorter at higher temperatures)
- Tiles can be adjusted within approx. 10–15 minutes

AFTER-CARE AND PROTECTION

- Foot traffic: after approx. 24 hours
- Must be protected from: direct sunlight, draughts, frost and driving rain
- Application temperature range: +5 °C ... +25 °C

7. HEALTH, SAFETY AND ENVIRONMENT

Product name	Exoline® Aqua Stop D+
CLP classification	Skin Irrit. 2 (H315), Eye Dam. 1 (H318)
Hazard statements	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

MANDATORY PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

ENVIRONMENTAL REQUIREMENTS

- The set adhesive is neutral, non-hazardous waste - it may be handled as normal construction waste
- Liquid residues must not be discharged into drains or surface waters
- Waste management: EWC 08 04 10 (adhesive and sealant waste) - in accordance with local regulations

8. STORAGE, TRANSPORT AND PACKAGING

Pack sizes	25 kg bucket or bag
Storage conditions	In a dry place protected from the weather, between 5-35 °C
Shelf life	12 months in unopened packaging
Transport classification	Non-hazardous 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 12004-1:2017
Declaration of Performance (DoP)	EXO-ASD-012-25KG Issued by: Exoline Ltd.
REACH	Compliance with Regulation (EC) No 1907/2006 is ensured
CLP	Regulation (EC) No 1272/2008 - classification, packaging, labelling
Biocides (BPR)	Not relevant - the product contains no biocidal active substance
RoHS	Not relevant - not an electrical/electronic product

10. LEGAL DISCLAIMER 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 conditions of application, on the substrate and on the quality of preparation.

Exoline Ltd. accepts no liability for damage resulting from improper use or from 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; the document so created may not, however, 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 at www.exoline.co.uk.

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