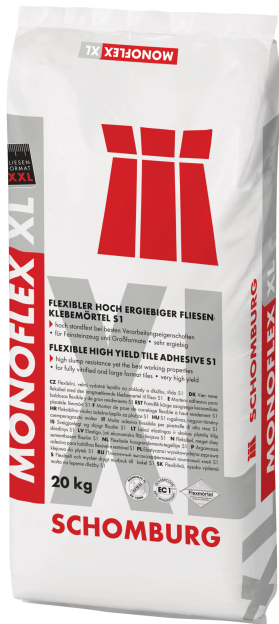


# MONOFLEX-XL

S1 flexible, high yielding tile adhesive



Material number	Contents	Unit of quantity	Colour
204302002	20	KG	Cement grey

## Product features

- Cementitious tile adhesive
- C2 TE S1 in accordance with DIN EN 12004
- Contains lightweight filler
- Long working time of approx. 2 hours
- Long open time of ca. 30 minutes
- Can be walked on and joined after ca. 12 hours
- Adhesive bed thicknesses von 1 mm bis 10 mm

## Advantages

- Tested system product
- Reliable drying even with large formats
- Convenient compaction properties
- Increased area coverage thanks to lightweight fillers

# MONOFLEX-XL

## Areas of application

- For laying ceramic tiles and boards using thin-bed laying
- Especially for laying large formats
- for heated and unheated substrates
- For walls and floors

## Existing test certificates

- Test report in accordance with DIN EN 12004
- EMICODE licence
- AgBB certificate

## Technical Data

### Material properties

Base material	sand cement Additive
Vapour diffusion behaviour	Vapour permeable
Classification of the reaction to fire in accordance with DIN EN 13501-1	E

### Mixing

Increased flexibility (deflection of $\geq 5$ mm)	UNIFLEX-F quantity addition: 4 kg on 20 kg container
Addition of ELECTRON-PLUS to produce conductivity	approx. 2.9 l
Addition of water when adding ELECTRON-PLUS to produce conductivity	approx. 7.8 l
Mixing time	approx. 3 - 5 minutes
Maturing time	approx. 4 minutes
Water addition	From 7.6 l to 8.8 l per 20 kg

### Application

Substrate temperature	from 5 °C to 25 °C
Pot life	approx. 120 minutes
Consumption pro m <sup>2</sup> and mm layer thickness	approx. 0.74 kg
Foot traffic after	approx. 12 hours
Consumption with 6mm notched trowel	1.6 kg/m <sup>2</sup>
Consumption with 8mm notched trowel	2.1 kg/m <sup>2</sup>
Consumption with 10mm notched trowel	2.6 kg/m <sup>2</sup>
Application temperature	from 5 °C to 25 °C
Available after	approx. 12 hours
Hardening time / full resilience	approx. 7 days
Open time	approx. 30 minutes

## Application technology

### Aids/tools

- Serrated or layer-thickness trowel
- Stirrer
- Trowel
- Occupational safety equipment

## MONOFLEX-XL

### Suitable substrate

- Firmly adhering tiled finishes
- Concrete, cement screed (CT), floor levelling compounds, calcium sulphate screeds (CA, CAF), mastic asphalt screeds (AS), magnesite screeds (MA)
- Cement-based plaster, gypsum plaster, cement-lime plaster, lightweight plaster
- Tile bearing elements, gypsum fibre boards, gypsum boards, raised floors, cement and fibre cement boards, decoupling mats & panels, dry screeds
- Bonded waterproofing; the suitability of the substrate must be checked and observed, taking into account the planned water impact class of DIN 18534 and DIN 18531.

### Substrate preparation

#### Requirement for substrate

1. Load-bearing
2. Dry
3. Even
4. Sealed in the surface
5. Free of cracks
6. Free of adhesion inhibiting substances and laitance layers

#### Preparing the surface

1. Check the application substrate and determine the moisture content using the CM method.
2. Remove impurities, adhesion-reducing substances and binder accumulations/laitance layers.
3. Prime absorbent substrates with ASO-Unigrund-GE or ASO-Unigrund-K.
4. Prime non-absorbent substrates with ASO-Unigrund-S.

### Usage

#### Mixing

1. Put the water into a clean mixing bucket and mix with the powder component with a stirrer to produce a homogeneous, lump-free mass.
2. After a settling period of ca. 4 minutes, thoroughly homogenise the compound again.
3. Do not mix more material than can be applied during the pot life.

#### Application

1. Spread the mixed mortar evenly across the substrate surface and comb through with a suitable notched trowel to suit the board size.
2. Apply the surfacing materials within the adhesive open time.

#### Cleaning tools

Clean tools thoroughly with water after use.

### Storage conditions

#### Storage

Store in a cool and dry place. Min. 12 months in the original canister. Promptly use opened canister.

### Disposal

Product leftovers can be disposed of in accordance with disposal code AVW 17 01 01.

### Emission behaviour / building certification systems

- Very low emissions in accordance with GEV-EMICODE, which normally results in positive evaluations within the scope of building certification systems in accordance with DGNB, LEED, BREEAM, HQE.
- Maximum quality level 4, line 8 in accordance with DGNB criteria "ENV 1.2 Risks to the local environment".

# MONOFLEX-XL

## Notes

- When laying natural stone and synthetic stone, the product-specific properties of the coating materials (tendency to discolour, risk of curling, etc.) and the laying recommendations of the manufacturer must be taken into account. We recommend carrying out trial laying!
- Rooms, surfaces and building components that expect water exposure in accordance with DIN 18534, DIN 18531 and DIN 18535 must be protected by bonded waterproofing.
- Calcium sulphate screeds must be protected with the ASO®-Unigrund-GE or ASO®-Unigrund-K primer prior to laying. Calcium sulphate screeds must be protected with a barrier primer (e.g. ASODUR®-GBM) when laying large format tiles.
- Do not stir or add water to existing material that has already set in order to make it workable again.
- Use a barrier primer such as ASODUR®-GBM to protect substrates that are sensitive to moisture, such as magnesite screeds, from direct contact.
- Protect the product from water, frost, draughts, direct sunlight and mechanical loads until it has dried completely.

**Planning, inspection of substrates and building site circumstances, laying, grouting and subsequent care of the work must be done in accordance with the relevant DIN standards and recognised rules of technology (e.g. the ZDB sheets of the Zentralverband Deutsches Baugewerbe e.V.) in the latest version.**

GISCODE: ZP1

## Annotations

Conformity / Declaration / Verification

<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2–8 D-32760 Detmold (Germany) 11 204302	0799 <b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2–8 D-32760 Detmold (Germany) 18 204990
EN 12004 <b>MONOFLEX-XL</b> Cement-based mortar for increased demands in interior and exterior areas for tiling and board-laying work	<b>SANIFLEX-EU</b> Kit for producing waterproofing for walls and floors in wet areas
C2	0799-CPR:150
Reaction to fire: Class E Bonding strength as Tensile adhesion strength after dry storage: $\geq 1 \text{ N/mm}^2$ Durability as Tensile adhesion strength after water storage: $\geq 1 \text{ N/mm}^2$ Tensile adhesion strength after warm storage: $\geq 1 \text{ N/mm}^2$ Tensile adhesion strength after alternating frost/thaw storage: $\geq 1 \text{ N/mm}^2$	<b>ETA-17/0469</b> <b>ETAG 022-1</b> Reaction to fire: E Release of hazardous substances: see SD sheet Water vapour permeability with ASO-Unigrund-D: $sd = 44 \text{ m}$ with ASO-Unigrund-GE/K: $sd = 9 \text{ m}$ with ASO-Unigrund-S: $sd = 6.8 \text{ m}$ Watertightness after EN 13967: watertight Crack-bridging capacity: category 1: 0.4 mm Tensile adhesion strength: $\geq 0.5 \text{ MPa}$ Crack bridging ability: Category 2: waterproof Watertightness at intersections: Category 2: waterproof Resistant to water: Category 2: $\geq 0.5 \text{ MPa}$ Temperature resistance: Category 2: temperature resistant Resistance to alkalis: Category 2: resistant to alkalis Workability: applicable Thickness: minimum 0.5 mm

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