MONOFLEX-XL

Flexible adhesive with high yield

Areas of application:

- MONOFLEX-XL is a flexible adhesive for the thin-bed installation of large format earthenware, vitrified and fully vitrified tiles/slabs as well as other ceramic finishes, mosaics and natural stone, which is neither sensitive to discolouration nor is translucent.
- MONOFLEX-XL is suited for tiling to all substrates in accordance with DIN 18157, part 1, e.g. concrete, aerated concrete, plaster/render, cement-based and calcium sulphate based heated and unheated (flow) screeds, masonry work, moisture resistant plasterboard and gypsum fibre boards, composite materials in expanded or extruded polystyrene with a mortar coating and reinforcement layer embedded, etc.
- For tiling over mineral-based or dispersion-based SCHOMBURG bonded waterproof membranes.

Technical Data:

Mixing ratio:	9.2 to 11 l water : 25 kg MONOFLEX-XL
Substrate/Application temperature:	+5°C to +25°C
Open time*:	> 30 mins
Foot traffic/ready to grout*:	floor after approx. 24 hours wall after approx. 12 hours
Consumption:	approx. 1.6 kg/ m² with a 6 mm notched trowel approx. 2.1 kg/ m² with an 8 mm notched trowel approx. 2.6 kg/ m² with a 10 mm notched trowel
Full service conditions*:	after approx. 7 days
Reaction to fire:	$A1/A1_{fl}$
Packaging:	25 kg plastic bag

* These values relate to +20° C and 65% relative humidity.

CE

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EN 12004
MONOFLEX-XL
Cement-based adhesive with increased performance for the installation of tiles in interior and exterior areas

C2

Reaction to fire:	Class E
Bond strenght, as Tensile adhesion after dry ageing:	≥ 1 N/mm²
Durability, as Tensile adhesion strength after water immersion:	≥ 1 N/mm²
Tensile adhesion strength after heat ageing:	≥ 1 N/mm²
Tensile adhesion strength after freeze/ thaw cycles:	≥ 1 N/mm²

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26/16 TS/CoS/JD

Subject to changes. Consult current technical data sheet for most recent information.

MONOFLEX-XL

Flexible adhesive with high yield

Properties:
- Extremely good slump resistance with the best application properties
- Long open time
- Easy application
- For large format tiles and porcelain
- For heated screeds
- For interior and exterior use
- Tested in accordance with DIN EN 12004 C2 TE DIN EN 12002 S1

FLIESEN FORMAT XXL

MONOFLEX-XL C2 TE S1 EN 12004

DEUTSCHE BAUCHEMIE e.V. Flexmörtel Erfüllt die Anforderungen der Richtlinie „Flexmörtel" Stand Juni 2001

GEV-EMICODE® EC 1 PLUS very low emission

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

Information about the emission level of volatile compounds in indoor air, which pose a health risk by inhalation, on a scale from class A+ (very low emissions) to C (high emissions).

Product application:
Mix MONOFLEX-XL with clean water in a clean mixing bucket until homogenous. Mix ratio: 9.2–11.00 litres water : 25 kg MONOFLEX-XL.

Allow to stand for approx. 3 minutes then remix. Do not prepare more adhesive than can be used within the pot life. Spread the mixed adhesive over the substrate surface and comb through with a notched trowel suitable for the tile format. Install tiles within the adhesive open time.

When installing large format tiles greater than 60 x 60 cm, we recommend that MONOFLEX-XL is modified with UNIFLEX®-B. Modifying with UNIFLEX®-B elastifier increases the deformability and adhesion strength of MONOFLEX-XL. Dependent on the modification, deformability class S2 can be achieved, which is particularly recommended for tiles larger than 60 x 60 cm. This considerably compensates for shear stresses, which can lead to delamination in unfavourable exterior conditions.

UNIFLEX®-B is mixed with water for improved application and then mixed with MONOFLEX-XL until homogenous.

Mixing ratio: highly deformable (relates to class C2 S2, deformation > 5 mm):

4.17 kg UNIFLEX-B : approx. 5.0 litres water : 25 kg MONOFLEX-XL

Application:
The substrate must be dry, load-bearing, adequately flat, free from penetrating cracks and free from separating substances such as oil, paint, laitance and loose parts. They must have a largely closed surface with a surface strength and condition commensurate with their type. When installing tiles, the substrate, substrate preparation and product application must conform to DIN 18157, part 1. Prime porous substrates with ASO®-Unigrund.
Heated floors are to be heated prior to installing tiles. The readiness of a substrate to receive finishes is to be determined by the carbide (CM) method and may not fall below the following values:

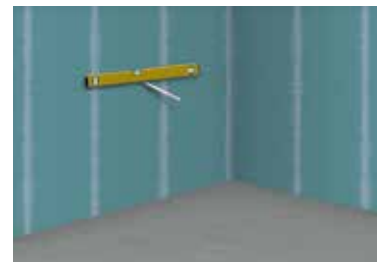
- CT ≤ 2.0% (when installing large format tiles 1.5%)
- CA/CFA unheated ≤ 0.5%, heated ≤ 0.3%

1 Cleaned, load-bearing substrate ready for tiling

2 Priming the substrate, e.g. with ASO®-Unigrund

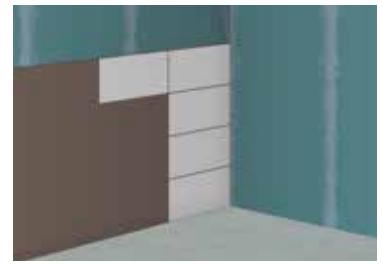
3 Adding the adhesive to a clean mixing bucket

4 Mixing the adhesive



5 Setting out the wall

6 Combing out the adhesive bed



7 Fixing the wall tiles

8 Priming the substrate, e.g. with ASO®-Unigrund

9 Setting out the floor

10 Combing out the adhesive bed

11 Applying a contact layer with large format tiles

12 Laying the floor tiles

13 Finished area ready for use

SCHOMBURG