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**SCHOMBURG** Building  
Product Systems



## Technical Data Sheet

# UNIFIX®-2K

**Art.-No. 2 04252**

## Elastic Powder Adhesive

### Properties:

UNIFIX-2K is a special tile adhesive for difficult surfaces and high loadings. It contains 3 parts by weight UNIFIX (cement bound rigid powder adhesive) and 1 part by weight UNIFLEX-B (elastifier, liquid).

UNIFIX-2K is officially tested according to DIN 18 156 as hydraulically hardening thin layer adhesive and as dispersion adhesive. The hardened layer is water impermeable, waterproof and frostproof. It is flexible enough to bridge hairline cracks of the surface. The vapour diffusionability allows the application on green surfaces (keep to the special notes).

### Areas of application:

UNIFIX-2K is used for the fixing of tiles on balconies, terraces, swimming pools and on floors with floor heating. It is also suitable for the laying of fine stoneware tiles on absorptive and non-absorptive surfaces for large-size tiles and plates with smooth and dense backside, for tiling on shrinking surfaces and for tiling onto tiles. It represents an alternative tiling according to the ZDB-leaflet 2/88 (ZDB = Central Board for Germany for Construction Purposes).

### Technical Data:

	UNIFIX	UNIFLEX-B
Basis:	sand/cement	liquid plastic
Colour:	grey	white
Mix ratio:	3 parts	1 part (w/w)
Packaging:	25 kg bag 6 kg bag	8,33kg bucket 2 kg bucket
Storage:	dry, 1 year	frostfree, 1 year
	Combination Product	
Mixing time:	3 minutes (drilling machine 300 rpm)	
Application temperature:	+ 5°C upto + 30°C	
Pot life*:	1 hour	
Open time*:	10 min.	
Jointable*:	after 2 days	
Traversable*:	after 2 days	

Cleaning:	immediately after use with water
Deformability:	1.33 mm at 5.5 kN according to DIN 18 156, part 3
Consumption:	depending on surface and laying material , min. 1,3 kg/m <sup>2</sup> /mm layer thickness

\* At +20 °C and 65 % relative humidity.

### Official tests:

1. DIN 18 156, part 2 (i.e. water- and frostproofness)
2. DIN 18 156, part 3 (deformability)

### Surface preparation:

The surface has to be according to DIN 18 157, part 1 respectively part 2. It has to be slightly moist, load bearing, free from dirt and dust. Absorptive surfaces are to be pre-treated with ASO-Unigrund. Uneven parts of the surfaces are to be levelled with UNIFIX or a suitable spatling compound. Dry construction boards are to be laid out according to technical rules.

### Product preparation:

The liquid component B is filled in a clean bucket, the powder component is added subsequently under slow drilling (with slowly revolving drilling machine) and will be mix until a knotfree mass develops.

To facilitate processing, upto 10 % water may be added. After a short mature time the mixed adhesive must be mixed again.

Do not prepare more mortar than applicable in one hour:

Afterwards UNIFIX-2K is applied onto the prepared surface with a comb trowel. The tiles are placed onto the still moist adhesive layer and are pressed onto it. Since a film formation may occur at the surface of the adhesive, not more than 0.5 - 1.0 m<sup>2</sup> are to be applied in advance (depending on the temperature).

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# UNIFIX<sup>®</sup>-2K

The DIN 18 157, part 1 "Application of ceramic layers by means of the thin bed layer method" is to be adhered to. A water impermeability is achieved by applying UNIFIX-2K in a layer thickness of 2 mm onto the whole area. After hardening of the spactling the tiling has to be effected according to the processing recommendations.

## **Important advice:**

Avoid the influence of direct sun light or wind to prevent early skin formation or decreased pot life.

The A-component contains cement and reacts alkaline. Therefore:

- Protect skin and eyes
- In case of irritations wash thoroughly with water
- In case of eye contact please consult a physician

Low chromate level according to TRGS 613.

GISCODE: ZP 1