



Technical Data Sheet

UNIFIX®

Tile Adhesive

Art.-No. 2 05408

Properties:

UNIFIX is a polymer modified powder adhesive tested and controlled externally according to the German Industrial Standard DIN 18 156 part 2. UNIFIX is resistant to water and freeze-thaw-changes.

Areas of application:

UNIFIX is used as tile adhesive for the tiling of ceramic materials (thin bed method).

Natural stone material can be applied with UNIFIX, however, the specific properties of the products are to be considered. It is suitable as adhesive for construction boards of gypsum plasterboard, gypsum cellulose and polystyrene.

Technical Data:

Basis:	sand/cement
Colour:	cement grey
Filler composition:	fine sand
Bulk density:	1.3 - 1.4 kg/l
Application temperature:	+ 5° C upto + 30° C
Pot life*:	approx. 2 hour
Jointable*:	after 24 hrs
Traversable*:	after 24 hrs
Cleaning:	immediately after use with water
Tests:	according to DIN 18156 pt. supervised by Säureflieger-Vereinigung e. V.
Packaging:	6 kg and 25 kg bag
Storage:	dry, 12 months, open bags are to be used up as soon as possible.
Consumption:	depending on surface and material condition, at least 1.5 kg/m ² per mm thickness of layer

* The values are valid at an ambient temperature of +20° C and at 65% relative humidity.

Surface preparation:

The surface has to be dry or slightly moist, load bearing, free from dirt, dust or parting agents. The requirements of DIN 18157 part 1 have to be adhered to. Prime absorbent surfaces with ASO-Unigrund. Smooth concrete surfaces have to be roughened, anhydrite screed has to be grinded, vacuumed and primed with ASO-Unigrund.

Product preparation:

UNIFIX is to be mixed with tap water in a clean vessel until a knot-free pasty mortar is obtained. Mixing ratio: 7 l water to 25 kg UNIFIX. After a short maturing time, it is mixed again being used within the next hour. The mortar is applied continuously on the surface and scraped with a serrated trowel. Do not cover more surface than required, keeping within the working time of 15 minutes. The tiles are fixed with light pressure. Light weight building materials like gypsum card-boards or other suitable boards are bonded to vertical surfaces by the spot fixing method. It is necessary that the boards are provided with a UNIFIX strip of 6 cm width and depending on the surface construction 2 - 4 mm thickness. The boards, being pretreated in this way, can be fixed easily. Please regard the manufacturers' instruction.

Important advice:

UNIFIX contains cement and reacts alkaline with moisture. Therefore:

- * Protect skin and eyes
- * In case of irritation wash thoroughly with clear cool water
- * In case of eye contact seek immediate medical treatment

With the application of ASOFLEX-AKB for laying of tiles, we recommend ASODUR-EK98.

UNIFIX®

For laying of tiles, slabs on highly stressed areas such as for balconies and terraces, we recommend the application of a high elasticated binding sealant system (AQUAFIN-2K/M and UNIFIX-2K).

For laying of cast stone or natural stone it is imperative that the specific product details of the cast material (colorisation and key dangers) etc. and also the laying recommendations, be regarded.

If in doubt, carry out tests in advance.

To reduce key factors due to water penetration, we recommend the application of ASODUR-EK98 for agglomerate cast stone.

For levels containing calcium sulfate bindings we recommend a primer such as ASO-Unigrund-GE or ASO-Unigrund-K (Mix Ratio 1:3 with water).

To reduce the effect of ettringite in calcium sulfate layers we recommend UNIFIX-AEK, for relocation of such layers with up to 1% of remaining humidity for heated constructions and 1.5% remaining humidity for unheated constructions (according to up to date measures provided by FBH-AD – official handling regulations)

Thin bed mortar which has already hardened should not receive additional

water or freshly mixed mortar amounts, trying to achieve a better workable mixture, this may cause a lack in strength development.

For permanent under water areas (Swimming pools and water vessels etc.), we recommend UNIFIX-2K and UNIFIX-2K/6 with the Floating-Buttering method, our Thin bed adhesive system using the Floating-Buttering method, on such areas for application with the appropriate SCHOMBURG sealants.

Industrial flooring can be destroyed by having direct contact between the screed topping and the cemented tiling, a chemical reaction is caused and is known as expansion tendency due to magnesia.

A back drop in the moisture load capacity of the surface must under all circumstances be prevented. The magnesia base is to be mechanically abraded and is to

be primed (approx. 250 g/m²) with ASODUR-D2 - Epoxy resin and an additional 5% max. of water. After a waiting time of 12 to 24 hrs at an ambient temperature + 20° C, the second layer of ASODUR-D2 can be applied (approx. 300-350 g/m²). The freshly laid siliceous sand (grain size 0.5 to 1 mm) is to be spread over the area. After waiting a further 12 to 16 hrs the tile laying can be carried out.

UNIFIX is an hydraulical hardening mortar sealant which can, however, take several days to completely harden under the influence of bad weather conditions. The area should be protected against rain and frost exposure.

Surfaces which are not to be treated should be protected prior to the application of AK7P.

The up to date, active rules and regulations are to be adhered to.

Please adhere to current EC-Safety Data Sheet (MSDS)

With a low content of chromate according to TRGS 613