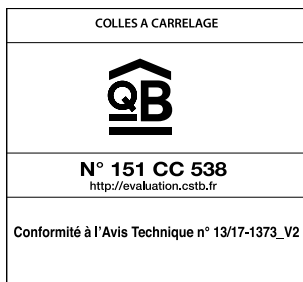




BENFERFLEX ANHYDRITE

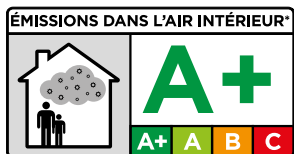
Pourable adhesive for floor laying on anhydrite screeds

- Direct application without primer
- High flexibility
- Ideal for heated screed
- Ideal for porcelain stoneware
- Ideal for large sizes
- Fluid consistency, laying without double gluing up to 3.600 cm²
- Application thickness up to 10 mm
- Low consumption
- Dust reduced
- Ideal for interior application



QB N° 151 CC 538

AVIS TECHNIQUE 13/17-1373_V2



TECHNICAL FEATURES:

BENFERFLEX ANHYDRITE is a powder adhesive composed of by calcium sulphate, aggregate with selected particle size, synthetic resins and special additives. Its formula has been conceived and developed for quick and sure laying of porcelain, ceramic and natural stone (moisture-stable), on fluids Anhydrite based screeds.

Its nature allows the direct application without the need to treat the screed with a primer, the fluid rheology allows to laying without double gluing. Reaction times allow grouting after 12 hours only.

APPLICATION OF FIELDS:

For porcelain, ceramic and natural stone (moisture stable) laying on:

- Interior floors on calcium sulphate based screeds

CONTRACT ITEMS SPECIFICATIONS:

Floor tiles and slabs must be applied with a single part pourable adhesive, composed of calcium sulphate, highly flexible, with an application thickness up to 10 mm, allowing for the direct application without the need to treat the screed with a primer, as BENFERFLEX ANHYDRITE by Benfer.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

SUITABLE SUBSTRATES:

(inside only, not suitable for wet rooms, with floor discharges of water)

- Anhydrite based screeds, standard or heated with water system or electric resistance
- Elastomeric waterproofing membranes (ACQUASHIELD-GEL)

MAXIMUM SIZES:

- Internal floors on anhydrite-based non-heated screeds: Maximum length of longest tile side up to 120 cm.
- Internal floors on anhydrite-based heated screeds, with water system or electric resistance: Maximum length of longest tile side up to 120 cm.

Verify the limits of tile size according the type of coating and the substrate on the “selection guide” table.



METHOD OF USE:

Substrates should be free from oils, greases or powders. It must be prepared according to the instructions of the manufacturer, regarding the time required before the implementation, the abrasion of the surface film and the subsequent cleaning of the powder. The residual moisture should be checked with the appropriate carbide hygrometer and should be less than 1%.

In case of heated screed, laying must be done strictly after the start-up and turning off of the heating system, according to the screed and heating system manufacturer's instructions and to the related certificates requirements. We recommend to prepare the entire perimeter of the environment with our waterproofing system ACQUASHIELD-GEL (consisting of a liquid elastomeric waterproofing membrane and the waterproof tape BSWTAPE), applied seamlessly to a width of 20 centimetres on the screed and 10 centimetres on the walls.

MIXTURE PREPARATION:

Mix BENFERFLEX ANHYDRITE with 34% of water, 6,8 litres per 20 kg bag (pour the powder into the water), until obtain a homogeneous, bright, plastic adhesive. Leave it rest for 3 minutes, and then re-mix. The adhesive is now ready for use and it must be used within 2 hours.

TILING:

INTERIOR: Lay the tiles while exerting a good pressure on the tiles surface, so that contact between tile and adhesive will be at least of 95-100%.

Given the fluid rheology of the product it is possible to lay tile with surface up to 10,000 cm² without double gluing, that is necessary, however, when laying larger sizes.

It is essential to make always a joint of at least 3 mm between tiles and to respect the expansion joints in the floor to be sealed elastically as well as the joints between wall and floor. It is necessary to make expansion and perimeter joints every 20/25 m².

Grouting can be made after about 12 hours* after laying, use only waterproof grouts of the line DEKOGROUT (DEKOGROUT, DEKOGROUT 2/12, DEKOGROUT-2K), so as to prevent accidental seepage of water through the joints that may compromise the strength of the adhesive.

* At 23°C and 50% of relative humidity

FULL SERVICE:

At 23°C and 50% of relative humidity, the open time is about 20 minutes. In unfavourable conditions this time can be reduced considerably, so it is recommended to apply the adhesive gradually and to check often which has not been made the film surface before lay the tile.

To improve the workability especially in summer, it is useful to removed air draft.

During the first 24 hours after laying, the adhesive is sensitive to the frost.

The floors made with BENFERFLEX ANHYDRITE are walkable cautiously after about 12 hours for grouting (24 hours for temperatures lower than 15°C). Fully loadable after 7 days.

CLEANING: The cleaning of the coating must be effected by means of a damp cloth or sponge when the adhesive has already started to set.

PACKAGING: BENFERFLEX ANHYDRITE is available in 20 kg poly-lined bags, 1.120 kg Europallet loads.

STORAGE: In the original unopened packaging in a dry and cool place.

SHELF LIFE: 12 months from the date printed on the packaging.

CONSUMPTION: The consumption changes according to planarity of the support, to the used trowel and to the laying system (simple or double gluing).

Support	Tile surface	Laying System	Trowel type mm.	Consumption kg / m ²
Interior floor	S < 1100	simple gluing	8/10	3/4
	1100 < S < 3600	simple gluing	10/15	5/6
	3600 < S < 10000	simple gluing	20	7

PRODUCT TECHNICAL DATA

Basis:	Powder
Apparent mass volume:	0,85 kg/dm ³
Maximum grain size:	0,3 mm
Storage and Duration :	12 months in the original closed package in a cool dry place
Danger of toxicity:	No. The product may cause irritation to the eyes and skin.
Inflammable:	No
Mixture ratio:	34%, 6,8 lt water/20 kg
Mixture consistency:	Creamy and fluid
Density of paste:	1,60 kg/dm ³
Application temperature:	From + 5°C to + 35°C
Pot Life:	About 2 ore
Open time:	About 20 minutes
Max thickness.:	10 mm
Foot traffic after:	12 hours*
Grouting:	12 hours*
Full service:	7 days*
Deformability:	2,8 mm
Final performance:	
Adhesion (after 24 hours):	> 0,5 N/mm ²
Adhesion (after 28 days):	> 1,5 N/mm ²
Adhesion after warming:	> 1,5 N/mm ²
Average deformability:	2,8 mm
Temperature resistance by:	-30°C to +80°C
	*At 23°C and 50% of relative humidity

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.