

## MYK AQUAFIN® - 1K

### Waterproofing Slurry

#### Properties:

MYK AQUAFIN®-1K is a rigid hardening, cement based waterproofing material. MYK AQUAFIN®-1K is made of quartz sand, portland cement and additives. It does not contain any materials, which may cause any negative effects on reinforcement or concrete.

MYK AQUAFIN®-1K hardens to a rigid impervious layer. If subsequent cracking of the surface is possible, use MYK AQUAFIN®-2K.

#### Scopes of use:

Waterproofing on concrete, masonry and plaster, for interior and exterior use, in the following areas of application:

Civil engineering:	earth covered constructions, sewage works, water tanks, swimming pools, heating pipes, pits etc.
Building construction:	cellars, potable water tanks.
Water construction:	storage lake walls, pools, tunnels, sluices.
Older building constructions:	not protected against posterior moisture and soaking water.

#### Technical Data:

Basis:	sand/cement, polymer improved
Specific gravity of the ready mortar:	1.85 kg/l
Mixture:	25 kg MYK AQUAFIN®-1K on 6.7 l tap water
Mixing time:	3 minutes
Pot life:	60 minutes
Application temperature:	+ 5°C to + 30°C
Official certificate:	impermeable to water acc. to Standard DIN 1048, for potable water uses acc. to DVGW, leaflet W 270.

Cleaning: in green state with water, dry material is difficult to be removed

Storage: dry, 12 months in originally closed packs, opened packs are to be sealed and be used up as soon as possible.

Consumption of the ready mixture/strength of layer:

Type of load 1: earth moisture: 3.5 kg/m<sup>2</sup>, app. 2.0 mm

Type of load 2: ground water: 3.5 kg/m<sup>2</sup>, app. 2.0 mm.

Type of load 3: ground- and backwater: 4.5 kg/m<sup>2</sup>, app. 2.5 mm

Exposure\*): to rain after 3 hrs walkable after 1 day to pressure water after 7 days

\*) at 20° C and 60% relative humidity.

#### Surface:

The surface must be of load bearing capability, largely plain, free of pockets, cracks and ridges, free of foreign matter, and free of oil, grease, paint or bitumen. Cement paste and settleable solids have to be abraded. The surface has to be moistened. Brick work areas have to be built with joints in cement mortar. Existing gravel pockets in the concrete as well as the bar spacers removed upto a depth of approx. 2 cm have to be filled with mortar (mortar group III) with the application of ASOPLAST-MZ. In staggered corners, concave mouldings made of cement mortars using ASOPLAST-MZ have to be placed. During the application and the time of hardening avoid large surface ponding. Coarsepored surfaces cause a higher consumption.

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### Instructions for Use:

MYK AQUAFIN®-1K is supplied in powder form. It has to be mixed on site with clean water in a clean vessel until it becomes a workable mass that can be sprayed or brushed. The surface should be pre-treated in the necessary way. Application must be ensured in several coats at a consumption of 1 - 2 kg/m<sup>2</sup> per coat. Green MYK AQUAFIN®-1K coats have to be protected against direct sun influence, draft air, rain and frost.

### Annotation:

MYK AQUAFIN®-1K contains cement and reacts alkaline with moisture. Therefore:

- Protect skin and eyes
- Please keep out of childrens reach
- In case of eye or skin irritation wash thoroughly with clean cool water
- Wear safety gloves
- In case of eye contact seek immediate medical treatment