AQUAFIN® 1K

Waterproofing slurry

June 2024

AREAS OF APPLICATION:

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	Retaining walls, pools, tunnels, sluices.
Older building constructions	Not protected against posterior moisture and soaking water.

TECHNICAL DATA:

Material properties	
Basis	Sand/cement, polymer improved
Density of the mixed mortar	1.85 kg/litre
Mixing ratio	25 kg Aquafin-1K to 6.7 litres 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 W270.
Cleaning	In fresh state with water, dried material is difficult to remove.
Storage	Dry, 12 months in original unopened packs, use open packs immediately.
Consumption of the ready mixture/strength of layer	
Type of load 1	Earth moisture: 3.5 kg/m^2 App. 2.0 mm
Type of load 2	Ground water: 3.5 kg/m^2 App. 2.0 mm
Type of load 3	Ground and backwater: 4.5 kg/m^2 App 2.5 mm
Exposure*)	To rain after 3 hours, foot traffic after 1 day, to pressure water after 7 days.

*) at 20°C and 60% relative humidity.

SURFACE PREPARATION:

The surface must be sound, mostly even, free of pockets, cracks and ridges, free of separating substances and free of oil, grease, paint or bitumen. Remove cement laitance and settleable solids by abrading.

The surface has to be moistened. Brick work areas have to be built with joints in cement mortar. Remove existing gravel pockets in the concrete was well as the bar spacers up to a depth of approx. 2cm and fill with mortar (mortar group III) with Asoplast-MZ. in staggered corners from concave mouldings with a cement based mortar with Asoplast-MZ.

During the application and the time of hardening avoid large surface ponding. Coarse-pored surfaces cause a higher consumption.

PRODUCT PREPARATION:

Aquafin-1K is supplied in powder form. Mix on site with clean water in a clean container to a workable consistency that can be sprayed or brushed. The surface should be pre-treated in the necessary way. Application must be ensued in several coats at a consumption of 1-2 kg/mÇ per coat. Protect fresh Aquafin-1K coats against direct sun influence, draft air, rain and frost.

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

HEALTH AND SAFETY:
Health and Safety information can be found on the Safety Data Sheet (SDS).

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Germany
Legal and trading name of manufacturer	SCHOMBURG GmbH & Co. KG
Manufacturer address for service	Aquafinstr. 2-8 D-32760 Detmold (Germany)
Manufacturer website	Schomburg.com
Manufacturer email	
Manufacturer phone number	+49 5231 953 00
Manufacturer NZBN	

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