

Aquatek Super

Cement-based powder applied product for waterproofing slabs by broadcasting below and on top of the slab surface. Waterproofs the concrete through saturation of the capillaries.



• **field of application**

Dry powder broadcasted waterproofing of slabs.

• **advantages**

Durable

- Waterproofing.
- Withstands negative or positive hydrostatic pressure.
- Protects concrete against seawater, wastewater and certain chemical solutions.
- Water vapour permeable.

Economical

- Fast application, high efficiency.

Simple application

- Broadcast on horizontal surfaces in "Sandwich" applications.

Environmentally friendly

- Cement based.
- Solvent free.

• **description**

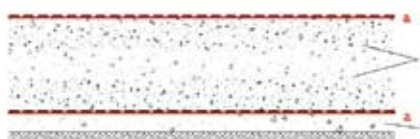
Aquatek Super is a waterproofing powder product composed of Portland cement, selected silica's, chemically reactive ingredients and modifiers. When broadcasted onto the surface, Aquatek Super reacts with the moisture in the concrete and forms a waterproofing barrier through reaction of the active chemicals with the free lime, to form long chained insoluble crystalline complexes which block the capillaries and microfissures in the concrete, stopping water penetration even under negative water pressure.

• **application**

1. Application

Slabs

- Broadcast 1 kg/m² of powder onto the pre-moisturised screed or clean concrete with the reinforcement bars for the slab already in place.
- In dry conditions, spray a water fog onto the surface before the concrete pour to fix the product to the surface and prevent displacement during the pouring of the slab.
- When the concrete is still green, broadcast 1 kg/m² of product onto the surface and float into the surface with a power float.



- a. Aquatek Super powder 1 kg/m².
- 1. Compacted screed.
- 2. Penetration of the Aquatek Super crystals.

• technical data/properties

2. Application conditions

- Do not apply Aquatek Super if the ambient temperature is below 5°C or expected to drop below 5°C within 24 hours.
- Do not apply Aquatek Super to frozen substrates.
- Avoid applications in full glare of the sun or in windy conditions.

3. Cleaning and maintenance

- Mixing and application equipment should be cleaned immediately with clean water. Mechanically remove hardened material.

Property	Value ^(*)
Density of the powder	1,25 kg/dm ³
Final setting time	24 h
Max. grain size	0,32 mm
Min. application temperature	5°C
Max. application temperature	30°C

^(*) Typical values - all tests were executed under a conditioned temperature of 21°C and 65% RH.

• appearance

Grey cement powder.

• consumption

Horizontal: 2 times 1 kg/m² of dry powder onto concrete surface.

• packaging

25 kg bags with plastic liner.

42 bags per pallet (1050 kg).

• storage

Aquatek Super should be stored under cover, clear of the ground. Protect the materials from all sources of moisture and frost. Rotate stocks so that they do not exceed its shelf life.

Rotate stock to assure that shelf life is not exceeded.

Aquatek Super can experience the phenomenon of false hardening of the bags, giving the impression that the product has perished. Especially the bags on the bottom rows of the pallet are susceptible to this phenomenon. False hardening does not impair the use or quality of the product. To identify whether a bag has experienced false hardening or not, take the bag and drop it once or twice onto a dry surface. The content of the bag will easily become loose if false hardening has occurred. If the bag remains hard, the product has perished and cannot be used.

Shelf life: 12 months.

• health & safety

Aquatek Super is a cement based product and can therefore cause burns to skin and eyes, which should be protected during use. Always wear gloves and safety goggles. Wearing a dust mask is recommended. Treat splashes to eyes and skin immediately with clean water. Consult a doctor when irritation continues. If accidentally ingested, drink water and consult a doctor.

For full information, consult the relevant Material Safety Data Sheet.