Product Data Sheet

Triton TT SUPER

Description

Triton TT SUPER is a surface applied material, which waterproofs and protects concrete in-depth. It consists of grey or white Portland cement, specially treated quartz sand and a compound of active chemicals. **Triton TT SUPER** is supplied in powder form in 25kg pails and needs only to be mixed with water prior to application.

Areas of Application

- Basements / retaining walls
- Concrete slabs (floor/roof/balcony)
- Construction joints
- Water retaining structures
- Swimming pools
- Sewage treatment plants
- Channels
- Potable water tanks

Technical Data

	Triton TT Super	Triton TT Super (White)
Withstand water pressure	> 12 bars @ 28 days	> 7 bars @ 28 days
Colour	Cement grey	White
Bulk density	Approx 1.25	Approx 1.20
Setting time	60 min	120-180min

All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity and porosity of substrate may affect those values.

Properties

When **Triton TT SUPER** is applied to a concrete surface the active chemicals combine with the free lime and moisture present in the capillary track, to form insoluble crystalline complexes. These crystals block the capillaries and minor shrinkage cracks in the concrete to prevent any further water ingress (even under pressure). However, the layer will still allow the passage of water vapour through the structure (i.e. the concrete will still be able to "breath"). In addition to waterproofing the structure, **Triton TT SUPER** protects concrete against seawater, wastewater, aggressive ground water and certain chemical solutions. **Triton TT SUPER** is suitable for the treatment of water storage tanks, reservoirs, water towers etc…

Triton TT SUPER is not a decorative material.

Surface Application

All concrete to be treated with **Triton TT SUPER** must be clean and have an "open" capillary system. Remove laitance, dirt, grease etc… by means of high pressure water jetting, wet sandblasting or wire brushing.

Faulty concrete in the form of cracks, honeycombing, etc… must be chased out, coated with **Triton TT SUPER** and filled flush with **Triton Fillet Seal**. Surfaces must be carefully pre watered prior to the **Triton TT SUPER** application. The concrete surface must be damp but not wet.

Mixing

Triton TT SUPER is mechanically mixed with clean water to a consistency of thick oil paint. Approximate mixing ratio is 2 parts water to 5.0 parts of powder (by volume).

Mix only as much as can be used within 20 minutes and stir mixture frequently. If the mixture starts to set do not add more water, simply re-stir to restore workability.

Application

Slurry consistency.
Apply **Triton TT SUPER** in one or two coats according to specification by masonry brush or appropriate power spray equipment. When two coats are specified apply the second coat whilst the first coat is still "green".

Dry powder consistency (for horizontal surfaces only).
The specified amount of **Triton TT SUPER** is distributed in powder form through a sieve and towelled into the freshly placed concrete once this has reached initial set.

Post treatment.
Once the **Triton TT SUPER** treatment has reached initial set it should be moist cured with a fine fog spray of water 2-3 times per day for three days. In hot or windy conditions it should be moist cured more frequently. During the curing period the **Triton TT SUPER** treatment must be protected from rainfall, frost or puddling of water.

NOTE: Do not apply **Triton TT SUPER** at temperatures below +5^{o}C. **Triton TT SUPER** cannot be used as an additive to concrete, please refer to **Triton TT SUPER ADMIX** data sheet.

Consumption

Concrete surfaces to be backfilled. One coat of **Triton TT SUPER** at 0.75kg/m^2 followed by one coat at 1kg/m^2. Brush or spray applied.

Water retaining structures, internal concrete wall surfaces.
Two coats of **Triton TT SUPER** each at 0.75kg/m^2. Brush or spray applied.

Concrete slabs.
Triton TT SUPER at 1.00kg/m^2 applied in one slurry coat to hardened concrete or dry sprinkled and trowel applied to fresh concrete when this has reached initial set.

Construction Joints.
Triton TT SUPER at 1.5kg/m^2 applied in slurry or dry powder consistency immediately prior to placing the next lift/bay of concrete.

Building concrete.
Triton TT SUPER at 1.2kg/m^2 applied in slurry or dry powder consistency immediately prior to placing the overlay concrete slab.

Packaging

25kg Pails

Storage

When stored in a dry place in unopened, undamaged original packaging, shelf life is 12 months.

Health And Safety

Triton TT SUPER contains cement and is Irritating to eyes and skin. **Triton TT SUPER** may cause sensitisation by skin contact. Keep out of reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves.

For full information consult the relevant Material Safety Data Sheet.

* for chemical resistances please contact your Triton representative.

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