

Castech SHA100B Technical Data Sheet

Description

Castech SHA100B is a water-based silicone emulsion waterproofing agent. This product has a deep waterproof and waterproof surface of the role of double waterproof: When the waterproofing agent and cement mortar, cement concrete and water with water, the first under the basic catalytic cross-linking reaction to generate three-dimensional network of silicate, blocking cement hydration. The process of the formation of capillary pores; at the same time in the capillary wall and cement surface to form a water repellent film.

Advantages

- ❖ Non-toxic
- ❖ Tasteless
- ❖ Non-polluting
- ❖ Non-burning
- ❖ Easy to use safe
- ❖ With a small amount of mixing, it can be very good waterproof and increase the strength
- ❖ It can be mixed with concrete, can also be diluted with water coated on the concrete surface, both can achieve water repellent effect

Uses

Castech SHA100B is suitable for waterproofing of underground and civil engineering waterproofing construction, reservoir, dam, hydropower station, water diversion project, waterproof brick production, swimming pool, roof, bathroom, kitchen and other waterproofing. It can also be diluted with water as the external walls and other substrate surface brush or spray to do with water.

Physical Properties*

PROPERTY	TYPICAL RESULTS
Appearance	Milky white liquid
Specific gravity	0.97±0.02g / ml
PH value	5.0—6.0
Effective content	≥18%

*The above properties are average laboratory values

Shelf Life

12 months when stored in factory packed unopened bag, stored in a cool dry and elevated place away from direct sunlight.

Packing

Castech SHA100B is available in 200 kg drum.

Dosage

Cement mortar, concrete added: directly according to the amount of cement 2% of the stock solution will be added to the water and then mixed into the concrete, stirring evenly construction, you can achieve the desired water repellent effect.

The emulsion surface spray: with 10--20 times the water dilute with dilution after the emulsion, spray, brush on the external walls or roof, cement alkaline substrate will have water repellent effect.

Application

Castech SHA100B in the transport and use of the process shall not be exposed to zinc, aluminum, tin and other more active metal, can not use metal containers stored in order to avoid chemical reactions caused by product deterioration and corrosion of the container.

Precautions

The operation should pay attention to protect the eyes, spraying should be leeward when the nozzle from the ground 30 cm is appropriate.

It is not suitable for spraying when it rains, but the curing solution after filming, it will not affect the effect.

Storage should be sealed, protected from light.

Technical Support

CasTech offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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