

CURASIN[®]-W 1 A

WATER-BASED CURING COMPOUND FOR MASS CONCRETE OR PAVEMENT QUALITY CONCRETE

Product Description

Not only the correct composition and preparation of concrete is important, but also the after-treatment, which is one of the deciding factors with regard to quality. In case of insufficient after-treatment, the required moisture escapes too quickly, especially from the surface.

The negative results are as follows:

- insufficient development of strength
- silting and chipping of the surface
- crack formation

These symptoms appear especially at higher temperatures, in case of low humidity and draughts. These factors may greatly increase the speed of evaporation. If the speed of the wind rises from 0 to 15 km/h, the water in the concrete evaporates three times faster. If the speed of the wind rises from 0 to 40 km/h, the rate of evaporation increased six times.

If the air temperature rises from 10 °C to 25 °C, the water in the concrete evaporates three times as fast. If the temperature rises from 10 °C to 30 °C, the speed of evaporation increases four to five times.

If the relative humidity drops from 90 % to 50 %, the rate of evaporation increases by approx. 400 %; if it drops to 40 %, the rate of evaporation increases by approx. 500 %.

Advantages

- Prevents shrinkage cracks and other damage to the concrete caused by a rapid drying out.
- Saves from the trouble of keeping the concrete wet during the first few weeks after fabrication.
- Economical - low water consumption, low labour cost.
- Disintegrates after approx. 1 month so that the surfaces can be painted.

Technical Data

Standards

ASTM C 309, Type 1, Class A, DIN EN 1045

Blocking factor

85 %

Min. application temp.

+4 °C

Appearance/Colour

white

Characteristics

CURASIN-W/1A protects fresh concrete against untimely drying out - against a „burning“ of fresh concrete surfaces whose are exposed to strong solar radiation.

It also protects against erosion by rain, tap water, and aggressive atmospheric conditions.

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Product Data Sheet

Product No: 02.017

Storage/Shelf life

Store tightly sealed in a cool and dry place. Protect from direct sunlight. Storage temperature must not exceed + 48 °C.

Application

Method of Application

Before CURASIN-W/1A is applied, the contents of the container should be thoroughly stirred or mixed by shaking. CURASIN-W/1A should be applied by a spraying unit from approx. 1 m so that a uniform and even coating is guaranteed.

It should be observed that before painting or plastering, the surfaces should be treated with a stiff brush in order to remove all traces of the curing compound. An over dosage will increase the time factor of disintegration.

For interior surfaces which will be painted or plastered, please request a special quality of curing compound from the manufacturer.

Cleaning

Tools and equipment should be cleaned with water immediately after use.

Safety Instructions

Safety precautions

CURASIN-W/1A does not contain substances which may cause damage to concrete. The product is physiologically harmless.

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from these of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

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