

BETONAC®-1000

POLYMER-BASED ADDMIXTURE FOR EARTH MOIST CONCRETE

Product Description

BETONAC®-1000 is an ecological, polymer-based product, specifically developed for concrete products produced with earth moist concrete.

Uses

BETONAC®-1000 basically works as a thickener. A high water/cement ratio can be used without loss of green strength, creating a stable mix and resulting in a more effective cure.

The blocks retain their shape and gain in strength. Since this allows the amount of cement to be reduced, the total cost of production decreases considerably.

Because the volume of water is less critical, it is much easier to control the manufacturing process. Moreover, the moulds can be removed sooner, and less vibration and tamping are needed. As a result, production speed increases.

Advantages

- Reduction in the cost of cement
- Higher compressive strength
- Faster Production
- Reduction of off-grade
- Reduced efflorescence
- Smoother finish of the end products
- Higher water retention in hot weather concreting

Technical Data

General Information: Humidity: < 100 mg/g,

Water solubility: dispersible

Appearance/Colour: Powder/cream

Density: at 20 °C - 0,65 g/cm³

pH value: 11

Stock life: Contains no substances with occupational exposure limit values.

Handle in accordance with good industrial hygiene and safety practice. Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation.

Storage/Shelf life: Keep containers tightly closed in a dry, cool and well-ventilated place.

Viscosity : 2.000...4.5000 m Pa. s

Application

BETONAC®-1000 is mainly used in the production of concrete paving (DIN EN1338), concrete paving slabs (DIN EN 1339) and kerb stones.

Dosage

Depends on quality of cement aggregates and mix-design. We always suggest starting with a quantity as mentioned below. Than reduce consumption gradually to the most economical and quality result.

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Product Data Sheet

Product No: 02.090

Dosage

330 grams of BETONAC®-1000 per cubic metre of concrete is sufficient to get excellent results.

Description	Concrete (kg)	Concrete + BETONAC 1000 (kg)
Cement	330	330
Sand 0-4 mm	1400	1400
Aggregate 2-8 mm	550	550
Water	109	129
BETONAC 1000	---	0.330
W/C	0.33	0.39
Density (kg/m ³)	2210	2262

Method of application

Professional dispensing equipment for dry powder is available on request.

Important Note

The MSDS can be found on the web site www.leyde.com

Safety Instructions

Ecology

Do not flush into surface water or sanitary sewer system. Use mechanical handling equipment. After cleaning, flush away traces with water.

Transport

Not classified as dangerous in the meaning of transport regulations.

Safety precautions

Wash hands before breaks and immediately after handling the product.

After inhalation: Move to fresh air.

After contact with skin: Take off contaminated clothing and shoes immediately. Rinse with water.

After contact with eyes: Rinse thoroughly with plenty of water, also under the eyelids.

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 the use 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.

LEYDE-PRODUCTS are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. 12.01.2009