

ZETOLAN[®]-BB 2

Special release agent of latest generation for the manufacture of "brilliant" concrete for exposed surfaces



- No loss of time as ZETOLAN-BB2 enables to reduce the cleaning time
- Results with exposed concrete, uniformly coloured and practically free of pores.
- No stain or discolouration as with conventional mould oils.
- Non inflammable.
- Environmentally-friendly- non toxic and hazardous to water.
- No health risks, hence high level of working safety.
- Can be walked on without being adversely affected.
- Anticorrosion properties.
- Economical: very low consumption: 30 - 60 m² / ltr.
- Excellent release characteristics and stability of film.
- Reduction practically zero.

ZETOLAN-BB 2 produces excellent concrete for exposed surfaces, characterized by a porefree, light and smooth surface colour quality. It is equally suitable for horizontal and vertical formwork surfaces in precast concrete factories, for cast-in-situ formwork and other places subject to unusually strong vibrations.

PRODUCT CHARACTERISTICS

ZETOLAN-BB 2 is supplied as a stable, ready-mixed emulsion and can be used on all types of formwork. It was specially developed to achieve an improved surface quality of concrete and to reduce pores and shrink cavities resulting from pockets of entrapped air and water. Once dry- following the so-called " phase inversion"- ZETOLAN-BB 2 forms a very thin, water repellent, rainproof and rustproof film on the formwork, which is very resistant and can be walked upon without being adversely affected. This separation film in no way affects the colour of light or even white concrete surfaces. Once the formwork has been removed the concrete surface is firm and free of dust.

Its excellent separation qualities allow the formwork to be removed without effort and therefore also leads to an increase in the life of formwork. ZETOLAN-BB 2 contains no volatile organic components (VOCs) or additives and therefore poses no health risk. It can thus be used without particular safety measures both in enclosed areas and outside.

ECOLOGY AND SAFETY AT WORK

ZETOLAN-BB 2 is a non-toxic, harmless; user-friendly formwork release agent. It is practically free of smell and does not emit noxious vapours. During the oil phase, it contains no skin irritants nor is it inflammable. All this results in a higher level of safety and better working conditions.

ZETOLAN®-BB 2

Product-nr. 10.050

Special release agent of latest generation for the manufacture of " brilliant" concrete for exposed surfaces

TECHNICAL DATA

Colour: : milky white
Form :liquid
Viscosity : approx. 10 mPa.s. Brookfield (23°C)
pH-Value : 10,4
Application Temp. :from 0 °C
Storage : protect from FROST
Storage class :storage class VCI 10
Water hazard class: 1 very good biological degradation. According to latest legislation.

USE

CONDITION OF CONCRETE MOULDS

ZETOLAN-BB 2 is no common release oil or mould oil. Therefore, used moulds must be cleaned of any residues such as mould oils or concrete deposits prior to the first application. Once the formwork has been thoroughly cleaned, ZETOLAN-BB 2 is applied, if used according to the instructions 15-20 g/m², the mould remains absolutely clean. However, should concrete deposits remain as a result of excessive consumption , these remain soft and pasty and can therefore be easily removed from the mould by wiping.

APPLICATION

Once remains of ordinary mould oils have been removed by thorough cleaning, with hot water as necessary, and the formwork has been dried using a rubber wiper (only at the very first application),

ZETOLAN-BB 2 is sprayed onto the form-work as thinly and evenly as possible using an ordinary high-pressure spray gun (max. pressure: 6 bar) with sufficient pressure (3-4 bar) and a wide nozzle at a distance of 30-40 cm from the formwork. the formation of drops should be avoided.

ZETOLAN-BB 2 results in larger spray drops than ordinary release agents and should be applied in the form of a spray fog. the formation of puddles on the horizontal form and "tear formation" on the vertical form are to be avoided. Thus, a thin, even film is formed during the drying process. Depending on the relative humidity and temperature this takes 5-20 minutes.

The result is a water repellent, transparent, rainproof film which can be walked upon without being affected and of "tearproof" quality which is important during pouring of the concrete and subsequent vibration. If a buff is used after application, this must be wetted before being used on the surface on which ZETOLAN-BB2 has been applied. Where highly complicated and smaller forms are concerned, where there is an increased danger of splashes, the concrete form should be rubbed down carefully with a cloth after application.

IMPORTANT INSTRUCTIONS FOR APPLICATION

ZETOLAN-BB 2 should not be applied if, firstly- depending on the production process- the film applied does not have 5 - 20 minutes to dry and if temperatures are below 0°. After application the nozzle should be immersed in water for cleaning thickening during spraying intervals.

STORAGE

Frost-free and protected from long exposure to direct sunlight protected in closed containers. ZETOLAN-BB 2 is an emulsion: faultless performance can therefore only be guaranteed if the product does not decompose. When stored properly ZETOLAN-BB 2 has a homogeneous, milky appearance.

Should the product decompose as a result of faulty storage conditions or of having been stored for longer than 6 months, its characteristics can be restored by intensive mixing. However, this is not the case when ZETOLAN-BB 2 has been exposed to frost.

PRODUCT DETAILS

FIRE PROTECTION: ZETOLAN-BB 2 is non-inflammable.

WORK SAFETY: No special safety precautions necessary!

WATER DANGER CLASS: 1 In accordance with the latest regulations. The practice of self-classification is no longer valid. Mineral oil products are always water danger class 1.

REMARK

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. 04.02.2004

LEYCO CHEMISCHE LEYDE GmbH, Industriestr. 155, D-50999 Cologne

Tel.: +49 2236 - 9 66 00 0, Fax: +49 2236 - 9 66 00 10,

email: leycochem@leyde.com, internet: www.leyde.com