

Description

The BC 164 product is a one-component, bitumen-based emulsion protective coating designed to prevent the penetration of harmful chemical ions, such as chlorine, from the soil into concrete sections before they are buried. This coating offers acceptable flexibility and provides a reliable seal, and it is easy to apply.

This coating creates excellent protective power for concrete and metal surfaces in harsh weather conditions and wetlands with corrosive salts. And creates a permanent protective barrier against the passage of water. This material can be a waterproof surface for water tanks and pipes. This coating can be used to protect surfaces in open spaces or structures that will be placed in water or soil. After fully baking, this material becomes stiff and flexible and resists structural movements and stresses. Using this product increases the speed of installation of new coatings.

Reference standard

ASTM D1227

ASTM D2939

ASTM D1640

Application

- Suitable for protecting concretes buried in the soil
- Insulation of walls, ceilings, pools and water tanks
- Suitable for covering cement or metal pipes
- Creating a protective layer against water vapor
- Covering foundations and surfaces that are in contact with soil or destructive concrete ions

Properties and effects

- The emulsion primer is resistant to metal and concrete corrosive agents
- Resistant to salts, chlorine and sulfate ions
- Ability to dilute with water before drying and not dissolving in water after drying
- Protection from all types of corrosion.
- Non-flammable
- Excellent adhesion to metal and concrete
- Ease and speed of implementation
- Chemical resistance against acids, bases, salt water and combustion gases
- High water retention

Amount of consumption

The consumption amount is depending on the quality of the surface and the type of materials under work, each kilogram can cover 1 to 3 square meters.



بتن شیمی

BETON
CHIMIE

ISO 9001:2008

تلفن:

۴۶۸۸۹۳۴۰

۴۶۸۸۰۶۷۳

۰۹۱۲۰۷۱۱۰۳۵

۰۹۱۰۲۰۹۱۵۱۱

صندوق پستی:

۳۷۵۱۱۳۹۹۶۸

www.beton-chimie.ir

info@betonchimie.ir

کیفیت کلیه محصولات
بتن شیمی گارانتی
بیمه کارآفرین می باشد



بیمه کارآفرین

Method of Use

A- Preparation of the following work surface: It should be applied on a completely clean, free of oil and grease surface. Absorbent surfaces must be moistened before use. This product is not suitable for use on zinc or aluminum surfaces. It is recommended to apply a layer of the product diluted with water as a primer and before the main layer on dusty surfaces and absorbent surfaces.

B – Implementation: Before applying, stir the container containing the product and after preparing the surface and materials, apply a layer with the desired thickness in one to two steps using a smooth spatula, roller, brush or spray. The high adhesion of this coating is achieved when the coating is completely dry, so it is necessary to apply this coating as much as possible in suitable weather conditions. This coating can be applied on dry and wet surfaces. For absorbent surfaces (such as concrete), it is better to apply a primer layer of this material diluted 1:1 with water on a clean and absorbent surface, until it is saturated, and then apply the main layer. For non-absorbent surfaces such as old bitumen-based insulation, apply the coating undiluted.

Physical and chemical characteristics

- Color: brown-black
- Physical state: pasty liquid
- Solid percentage: 60%
- Specific gravity: $1.04 \pm 0.03 \text{ gr/cm}^3$
- Insoluble particles: none
- Solubility: in water before drying
- Over coating time: 3 hours

Final drying time: 3 to 7 days

Keeping

- Storage conditions: in the original packaging away from frost and direct sunlight
- Storage period: one year in the original packaging
- Packaging: 20 and 200 kg containers

Technical and practical considerations •

- The best ambient temperature is between 5 and 40 degrees Celsius



بتن شیمی

BETON
CHIMIE

ISO 9001:2008

تلفن:

۴۶۸۸۹۳۴۰

۴۶۸۸۰۶۷۳

۰۹۱۲۰۷۱۱۰۳۵

۰۹۱۰۲۰۹۱۵۱۱

صندوق پستی:

۳۷۵۱۱۳۹۹۶۸

www.beton-chimie.ir
info@betonchimie.ir

کیفیت کلیه محصولات
بتن شیمی گارانتی
بی‌همه کارآفرین می‌باشد



بی‌همه کارآفرین

- The ingredients container should not be exposed to the sun or at high temperatures because the heat accelerates the hardening process of the ingredients
- The tools and equipment used should be immediately placed in water to prevent them from sticking materials.
- Caution: Freezing during storage or before drying during use will cause a significant drop in quality

Protection and safety •

This material is not in the range of dangerous and harmful substances for health and environment, however, it should not be swallowed or come into contact with the eyes. It is recommended to use masks, gloves and safety glasses when working with any chemicals. In case of accidental contact with the skin or eyes, it should be washed immediately with plenty of fresh water. It is not a flammable substance. If swallowed, consult a doctor immediately.



بتن شیمی

BETON
CHIMIE

ISO 9001:2008

تلفن:

۴۶۸۸۹۳۴۰

۴۶۸۸۰۶۷۳

۰۹۱۲۰۷۱۱۰۳۵

۰۹۱۰۲۰۹۱۵۱۱

صندوق پستی:

۳۷۵۱۱۳۹۹۶۸

www.beton-chimie.ir
info@betonchimie.ir

کیفیت کلیه محصولات
بتن شیمی گارانتی
بیمه کارآفرین می باشد

