

TECHNO KRAFT ACRYLIC-BASED SURFACE HARDENER

Dust-Proof, Transparent, Liquid Surface Hardener

PRODUCT DESCRIPTION

KR-ACA 105 is a material used as a surface hardener for concrete and cement-based surfaces, providing dust prevention, transparency, and a lithium silicate-based formulation.

PROPERTIES

- Ready to use, easy to apply.
- Transparent, odourless.
- Penetrates the surface it is applied to, creating a harder and more resistant surface.
- Provides dust resistance on reinforced concrete and cement-based surfaces.
- It enhances the chemical resistance and abrasion resistance of the surface it is applied to.
- Reduces the absorbency of the surface it is applied to and facilitates surface cleaning.
- It has UV resistance.
- Apply by mixing only with clean water.
- Does not contain solvents or other solvents.

APPLICATION AREAS

- Horizontal and vertical concrete surfaces where dust-free properties are required
- Production facilities, car parks, stores
- Industrial facilities, warehouses
- Raw concrete walls

KRAFTBAU CONSTRUCTION CHEMICALS MINING ENERGY GEOTHERMAL INDUSTRY AND TRADE INC.

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APPLICATION METHOD

Surface preparation:

The surface to be treated must be solid, dry, and clean. Any dust, grease, curing agents, epoxy or acrylic coatings, bitumen, or other materials that may prevent adhesion must be removed. If such materials are present, the surface must not be treated. Instead, surface preparation should be carried out using blast track or slim machines to remove unwanted materials from the surface. After concrete removal, all surfaces must be cleaned with industrial vacuum cleaners. The quality of the concrete surface is a critical factor for the subsequent application of slim. The desired gloss can be achieved by applying resin-based pads in stages after the slim process.

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Mixing Instructions

KR-ACA 105 is ready for use. No foreign materials should be added during application. Before application, the product in the container should be gently shaken.

Application:

KR-ACA 105, a low-pressure spray machine, should be applied to the entire surface using a roller or brush. All surfaces should be saturated with the material, leaving no dry areas. Using a squeegee or trowel, the material should be evenly distributed across the entire surface, and any excess should be removed. For a brighter surface, polishing can be performed using suitable resin-based pads 24 hours after application. The surface must be protected from air currents before, during, and after application. In hot weather, the product must not be exposed to direct sunlight. The environment must be prepared for application.

CONSUMPTION

The application rate varies between 0.08 liters per square metre and 0.10 liters per square metre depending on the condition of the surface to be treated. Factors such as the pore structure and absorbency of the surface may increase consumption. It is recommended to perform a test application on the surface to be treated to control consumption.

PACKAGING

30 kg drum.

TOOL CLEANING AND STORAGE

The tools used can be cleaned with water; if the material is dry, it can be cleaned mechanically. When stored in its unopened original packaging in a dry and cool environment (between +5°C and +25°C), the shelf life is 1 year.

TECHNICAL SPECIFICATIONS

Colour	Transparent, colourless
Density	1.20± 0.05 g/cm ³ (A+B / 23°C)
Solid Content	23% (by weight)
Time to open to pedestrian traffic	2–4 hours at 20°C
Time to reopen to vehicle traffic	24 hours
Full cure	7 days / 20–° °C
Abrasion resistance (Taber - 1000g/1000 cycles)	20% increase in abrasion resistance in C25 and C35 concrete
Brake Fluid, Engine Oil, Diesel Fuel, Aviation Fuel	Durable
Sodium Hydroxide (10%), Sodium Borate,	Durable

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YAPI KİMYASALLARI
BUILDING & CONSTRUCTION CHEMICALS

Yapıların Gizli Gücü
The Hidden Power of Structures

Laundry Detergent (25%), Acetic Acid (10%), Citric Acid (10%), Sea Water, Lactic Acid (10%)	Medium-duty
Sulphuric Acid, Nitric Acid	Non-durable

LEGAL WARNING
The information provided here about EPDOLYMER products, and in particular the recommendations regarding their application and end use, is provided in good faith based on EPDOLYMER's current knowledge and experience under normal conditions and in accordance with EPDOLYMER's recommendations, provided that these products are stored, handled and applied correctly. Products, application surfaces and application areas vary greatly in practice. Therefore, when using EPDOLYMER products, make sure that you are using the right product, under the right conditions and in the right place, and strictly follow the information and instructions provided by EPDOLYMER regarding commercial suitability and/or suitability for a specific purpose. EPDOLYMER shall not be liable for any damages that may arise otherwise. The user of the product (user) must test the suitability of the product for the intended application and purpose. EPDOLYMER reserves the right to modify the properties of its products. Third-party property rights must be respected. All orders are subject to our current terms and conditions regarding sales and shipping. Users must always refer to the latest version of the Product Information Sheet available from EPDOLYMER for the relevant product.

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