

LEYCO®-DUR 1+2

PERMANENT CONCRETE HARDENING AND DUST-PROOF COMPOUND

Product Description

LEYCO®-DUR 1+2 is a white soluble substance which is mixed with water on site and applied to cementitious surfaces to give a permanent hard wearing, dust-free surface resistant to certain chemicals. It is based on a combination of metallic silica-fluorides and wetting agents which penetrate the concrete and combine with the free lime and other soluble particles to form "granite hard" crystals which are permanently bound in the mass.

Uses

Surface hardening of new and old concrete to prevent dusting, wear and attack by certain chemicals. Industrial floors, warehouses, light engineering works, granolithic floors, car parks, dams, reservoirs, cattle pens and milk parlours, abattoirs, animal houses, tanks, silos, flues and case hardening of precast products.

Advantages

- Economical.
- High resistance to abrasion and wear.
- Prevents dusting.
- Low porosity - It assists cleaning and hygiene.
- Scientific blending of metallic salts is more effective than single material products.
- Resistant to oil, grease and many chemicals and organic waste.

Technical Data

Hardness

The surface hardness is achieved through a chemical reaction within the cementitious material. This gives in-depth protection against heavy traffic and other forms of abrasion.

Penetration

The wetting agents assist penetration to a considerable depth, unlike some surface treatments which merely form a superficial skin having a limited life.

Life

The depth of hardness obtained by LEYCO®-DUR lasts the life of the floor, and re-treatment should never be required.

Anti-Dust

The chemical elimination of free lime and other soluble particles creates a surface resistant to solvents, grease and many commonly used chemicals which would otherwise destroy the adhesion of the aggregate and cause surface dusting.

Chemical Resistance

The inert crystalline compounds formed by LEYCO®-DUR 1+2 application are non-absorbent and form a low porosity surface resistant to chemical and organic attack. For resistance to specific chemicals, the Technical Department should be consulted.

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Product Data Sheet

Product No: 04.007

Storage/Shelf life

12 months in a cool and dry store.

Application

Preparation

Surfaces contaminated with oil and grease should be thoroughly cleaned with HURRICANE 3010 and rinsed clean and allowed to dry. Repair any cracks or holes with CONFACE 2 mortar (See separate data sheets). Brush the surface to clean from dust and loose particles, and remove any excessive laitance or paint which will prevent LEYCO®-DUR from penetrating. New concrete floors should be left 14 days to cure before treatment. Coloured floors should be left 28 days and a small area of the floor should be tested for discolouration.

Protect any metal, glass or paintwork surfaces which might come into contact with LEYCO®-DUR.

Mixing

The containers should preferably be plastic although metal containers can be used provided the solution is used the same day. Dissolve one part of LEYCO®-DUR in three parts of water by weight, i.e. 15 kg of LEYCO-DUR to 45 litres of water.

Method of application

The surface to be treated must be dry. Apply the solution at the rate of approximately 1 litre to 6.5 m² using a soft brush, ensuring that the surface is thoroughly saturated and allow the surface to absorb the LEYCO®-DUR. Normally, an application of three coats is recommended but for very dense surfaces, i.e. granolithic topping, two coats will be sufficient. Successive treatment should not be carried out until the previous one has been absorbed, which is usually the following day.

Rinse the floor with clean water thoroughly to remove any surplus LEYCO®-DUR crystals as soon as penetration has ceased after the final coating while the surface is still moist.

Cleaning

Tools and equipment should be cleaned with LEYCO®-Cleaner + Thinner immediately after use.

Important Note

A contracting service is available which includes the preparation of floors by industrial sweeping prior to application of LEYCO®-DUR by skilled operatives using modern spraying equipment.

The LEYDE range of flooring products includes specialized admixtures for cementitious slabs and screeds, bituminous membrane coatings, and a wide range of polyurethane and epoxy resin toppings, coatings and sealers to meet a variety of industrial uses and conditions.

Separate data sheets are available on the products and in addition, the company provides a Technical Advisory Service supported by a team of specialists in the field.

Safety Instructions

Safety precautions

When working with LEYCO®-DUR wear rubber boots and protect skin and eyes from splashes. After finishing work, thoroughly wash hands with soap and plenty of water. Make sure that LEYCO®-DUR does not come into contact with food or fodder. For further detail refer to MSDS available under www.leyde.com

Toxicity

LEYCO®-DUR 1+2 is toxic and harmful to skin and eyes.

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. 01.09.2009