

## IDEAL HARD WR (cod IDEAL-HARD WR)

Densifier and silicate based chemical hardener for concrete, calcareous and decorative cementitious coatings

---

### Description

IDEAL HARD WR® is a silicate-based ecological and VOC-free (Volatile organic compound) densifier and hardener for concrete flatworks and cementitious coatings. It penetrates untreated surfaces, increasing their wear resistance whilst giving a dustproofing effect. It also improves the resistance to stains and to de-icing salts. It is particularly suitable for indoor use as it does not require subsequent washing with water. The "Water Saver Technology" also makes IDEAL HARD PLUS® an eco-friendly and easy to apply product.

---

### Features

It is composed of lithium hydroxide, potassium methylsilanetriolate, silicic acid and potassium salt. IDEAL HARD WR:

- Is quick and convenient to apply. It requires no washing or rinsing with water.
- Densifies and makes concrete floors resistant to wear whilst giving a dustproofing effect.
- Improves the resistance to stains and to de-icing salts.
- Walkable after 2 hours
- It does not alter the slip-resistance of the floor.
- Effective on both new and old floors
- UV stable with no yellowing or discolouration. Does not make any film.
- Ideal for both internal and external application.

---

### Uses

IDEAL HARD WR is suitable for new or existing concrete and for LIXIO and LIXIO PLUS terrazzo floors. It is recommended for concrete flatwork subject to high foot traffic such as offices, retail areas and public spaces and wherever greater surface resistance is required. AFTER TREATMENT WITH IDEAL HARD WR, FILMING SEALERS LIKE IDEALPU WB EASY AND IDEALPU78 CANNOT BE APPLIED.

FOR A MORE EFFECTIVE PROTECTION AGAINST SPOTS AND OIL USE IDEAL HARD + PETROTEX-S.

---

### Application

The treated surface must be dry (residual moisture < 6%), firm, clean, absorbent, free from oil, grease, releasing agents and any other impurities. An intensive cleaning of the surface with an auto-scrubber machine and clear water is required. For a better surface appearance and finish, a diamond cleaning process using a resin bond diamond tool or diamond grinding pads with grit size #100 or #200 is recommended.

Apply the product with a pump or airless sprayer using a suitable nozzle (0,2 - 0,3 is recommended). Work in tandem with a colleague who should be using a microfibre mop to

spread the material to a uniform wetting. Keep the surface moist/wet (not flooded) with material for approx. 20-30 minutes. Avoid puddles during application, but keep the surface saturated. Remove surplus material after approximately 30 minutes with an auto scrubber machine or rub into the floor with a buffing pad. Dried up excess can create white residues, which must be removed immediately. Drying time will be around 1-2 hours. For very highly absorbent floors a double treatment could be necessary.

On LIXIO and LIXIO floors, apply after completing polishing.

---

## **Technical Information**

Flashpoint	Not flammable
PH	11
Density	1,13
Colour	Transparent
Walkable	1-2 hours
Fully dry	12-24 hours

---

## **Consumption**

Approximately 70-100 g/m<sup>2</sup> of undiluted product.

---

## **Packaging / Storage / Disposal**

IDEAL HARD WR is available in 10 L packaging.

See safety data sheet.

All products stored and sealed in their original packaging at a temperature between 5 and 30 ° will keep for at least 12 months.

---

## **Precautions**

Adjacent surfaces must be protected against splashes. Remove surplus material before drying. Clean the equipment with water.

Avoid contact with skin, mucous membranes, eyes, etc. In case of accidental contact, wash thoroughly with soap and water and seek medical advice.

It is recommended to use gloves. In closed rooms, provide good ventilation and avoid the inhalation of dust. Consult the safety data sheet.

---

## **IMPORTANT:**

The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is performed, even partially, in contrast with these guidelines or with products not covered by them.

The manufacturer also declines any responsibility for the aesthetic aspect of the finish which depends on the installation methods, working times and climatic conditions present on site at the time of application. The applicator must take these into account when scheduling and applying the materials supplied by the manufacturer.

The applicator notes that Ideal Work is in no way responsible for the suitability of the solution chosen in relation to:

A) Substrate suitability, climatic conditions or any other external parameter which may affect the performance of the Ideal Work products being used.

B) The stresses to which Ideal Work products may be put under in operation.

It also notes that the indications provided by Ideal Work in its technical documentation are to be considered a necessary condition but do not in any way relieve the contractor of its responsibilities concerning technical evaluations of the application. The data can be changed at any time.

Also note that the products are intended for professional use only.

EDITION 01 dated 13.07.2021 - Rev. 00 dated