

Sikafloor[®]-CureHard-24

Transparent surface hardener, dustproof, densifier, sealer and curing compound for concrete

Construction

Description

Sikafloor-CureHard-24 is a one part, clear liquid based on sodium silicate to cure, harden and seal fresh or hardened concrete. It reacts with the calcium hydroxide in the concrete to produce an improved resistant and dust free finish.

Uses

- Horizontal old or new concrete surfaces, where a hard surface with light to moderate abrasion resistance is required e.g. warehouses, industrial plants, stores, shopping malls, parking structures, service stations, hangers etc.
- On concrete slabs where no specific curing efficiency or standards are required.
- Suitable for interior or exterior applications.
- As a densifier in the process of grinding and polished concrete finishes.

Advantages

- Ready to use
- Easy to apply
- Improved chemical and abrasion resistance compared to untreated concrete
- Reduced dusting of concrete floors
- Reduced loss of water of new concrete while setting
- Improves cleanability
- Non-yellowing
- Good penetration
- Solvent free
- Colourless and odourless
- Environmentally friendly

Storage and Shelf Life

Stored in original sealed containers in dry, frost free conditions within the temperature range of +5°C to +32°C, this product will keep for a minimum of two (2) years. If frozen the product must be discarded.

Instructions for Use

Surface Preparation

- All substrates must be sound, dry and free from oil, grease, curing compounds, impregnations, wax, coatings and loose material.
- For best results concrete floors should be treated 7-14 days after placement.
- Concrete less than 3 days old may contain excess moisture that will inhibit penetration of Sikafloor-CureHard-24 into the concrete.

Application

Polished surface hardener

- Sikafloor-CureHard-24 is ready to use straight from the counter.
- Sikafloor-CureHard-24 is applied in one undiluted uniform coat at an application rate between 5 to 7m²/litre (depending on the porosity of the substrate).
- To ensure maximum penetration, scrub material into the surface with a stiff-bristle broom or an industrial floor-scrubbing machine for a minimum of 30 minutes, and until product begins to gel or becomes slippery.
- Wet material lightly with water spray and rework it into the surface for another 10 to 20 minutes. After this process, rinse the floor and remove any excess material with a squeegee and wet vacuum.
- Do not allow the material to pond, as this will cause white staining when dry.
- On porous rough-textured or broom finished surfaces a second application may be required.
- The second application can be installed 2-4 hours following the first one and is recommended to ensure maximum densification and protection.
- Floors are available for use and vehicle traffic 4-6 hours after the removal of excess material.
- Surface can then be buffed to produce a low sheen hardener finish.

The Sika logo is a red triangle pointing upwards, containing the word "Sika" in a white, stylized, sans-serif font. A registered trademark symbol (®) is located to the right of the word.

Densifier in grind/polish system

- Apply Curehard 24 by spray or Squeegee to the surface between grinding stage.
- One application minimum.
- Optimum result is achieved by two applications –one in the early stages and another at the later stages of the grinding process.
- Note: Do not apply at polishing stage – uneven colour may result

Curing Compound

- Apply by spray method evenly as soon as the concrete has reached hardened state.

Sealing

- Apply by spray method evenly at the prescribed rate.

Cleaning

Clean all tools with warm soapy water immediately after use. Do not allow Sikafloor-CureHard-24 to dry as it can only be removed mechanically.

Technical and Physical Data

Form	Colourless odourless liquid
Density (at 20°C)	1.15 kg/l
Solids Content	Approx. 24%
Abrasion	35% increase in abrasion resistance (Taber Abrader Wheel H-22/1000g/500 cycles)
Curing	Reduce moisture loss by a minimum of 90% during initial 24 hours.
Application Rate	5 to 7m ² /litre (depending on the porosity of the substrate)
Application Temperature (ambient and substrate)	Minimum substrate temperature: +8°C Maximum substrate temperature: +30°C Maximum relative humidity: ~80%
Packaging and Sizes	Sikafloor-CureHard-24 is available in 20 litre pails and 205 litre non-returnable drums.



Important Notes

- Not suitable for nature stone.
- Do not apply over areas previously treated with membrane forming sealers unless these sealers have been completely removed.
- Sikafloor-CureHard-24 will not alter the appearance of the concrete surfaces, so it will not hide serious staining or excessive wear.
- Sikafloor-CureHard-24 cannot be expected to make bad disintegrating concrete good. The product will not effectively work on lightweight, extremely porous or worn concrete.

Handling Precautions

- Avoid contact with skin and eyes. Avoid contact with foodstuff and utensils. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.
- For further information, refer to the Sika Material Safety Data Sheet, which is available on request.
- If in doubt always follow the directions given on the pack or label.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

