



LANKO

BUILDING TRUST



PRODUCT DATA SHEET

LANKO 243 FLOOR HARDENER

DRY SHAKE SURFACE HARDENER

DESCRIPTION

A floor hardener for application to fresh concrete floors.

USES

- Car park.
- Warehouse.
- Industrial floors.
- Department stores.
- Large concrete floor area.

CHARACTERISTICS / ADVANTAGES

- Harden fresh concrete surface.
- Resistance to abrasion and scratch.
- Protection against oil and grease.
- No-rust (non-metallic aggregate).

PRODUCT INFORMATION

Composition	Cementitious with special aggregates
Packaging	25 kg/ bag
Appearance / Colour	grey, light grey, light green, dark green
Shelf life	12 months from date of production if stored in undamaged and unopened, original sealed packaging.
Storage conditions	Store in dry condition and protected from direct sunshine.
Bulk density	1.4-1.6 kg/L
Maximum grain size	2.5 mm

TECHNICAL INFORMATION

Abrasion resistance	1 g at 28 days (Taber abrasion, H22 disk-500g-200 rpm)
Compressive strength	60 MPa at 28 days (ASTM C109)

APPLICATION INFORMATION

Consumption	3-7 kg./sq.m.
Ambient air temperature	+ 5°C to +35°C

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

APPLICATION

1. Divide LANKO 243 FLOOR HARDENER 2 round-sequally at a time or 60 : 40 at the total rate of 3-7 kg./sq.m.
2. 1st application : as soon as fresh concrete is firm enough, Hand shake LANKO 243 FLOORHARDENER evenly over. Allow it to darken then smooth the surface by power trowel or hand trowel to ensure full compaction.
3. 2nd coat application : repeat the 1st application.
4. When concrete is stiff enough, finish the floor using power trowel or hand trowel.

Joint

1. For large area, joint should be made to avoid continuous floor cracking that may happen.
2. Joint should be made in reticular shape by using machine saw. Maximum length is 8 metres or aligned with the column.
3. Joint should be aligned with expansion joint or existing joint.

CURING TREATMENT

Curing is essential for good quality floor. When the floor is hard enough, cure with curing compound LANKO 361 CURE.

IMPORTANT CONSIDERATIONS

1. Evaluate and plan the timing for the application. If the fresh concrete is starting to dry out, the product will not be able to apply.
2. Divide the working area to control the product usage and timing.
3. Common practice is to apply when light foot traffic leaves an approximately 3 mm. imprint on fresh concrete.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika 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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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