



Danish Concrete Hardener

Innovative concrete hardening
solutions since 1965



Product user guide Danish Concrete Floor Hardener®

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GUIDELINES ON USE OF DANISH CONCRETE FLOOR HARDENER®

Danish Concrete Hardener® is a water-based, colourless and non-toxic liquid for curing freshly placed concrete after proper levelling and final troweling and initial setting of 1 day.

Apply by spraying on poured concrete, exclusive – without adding water or any other admixtures.

When applying Danish Concrete Floor Hardener®, it is important the temperature is at least above 10⁰ C.

Use in new construction projects and when renovating old (existing floors):

- For new concrete floors, covers a range of approx. 4-9 m² pr. liter, depending on the quality of the concrete.
- For old (existing) floors, cover 2-6 m² pr. liter, off course also depending on the quality of the concrete.

Health and Safety

There is no health risk arising from product usage:

- No irritating odour during the process of curing concrete, no use of mask to protect mouth, nose, eyes.
- No degassing of construction site after product usage.
- Not suitable for human consumption. Do not drink.

Storage

Product has shelf life of at least 18 months.

In TIGHTLY CLOSED plastic containers, not exposed to sunlight or frost.

It is important that the product is kept at a temperature at least above 2⁰C.

Product testing

- A trial area should be treated on site.
- Always make a little test, to see if the floor takes **against** our Danish Concrete Hardener®.
- Take a cup of water and pour a little on the concrete, if it disappears in the concrete, the floor is ready for treatment. Make sure there is no laitance (accumulation of fine particles), on fresh concrete.

Caution

Danish Concrete Hardener® is specially made for treating of concrete, it is manufactured according to CE, ISO 9001 and TÜV requirements.



Keep away from
frost



Do not drink



Avoid contact
with eyes



Avoid direct sunlight

Application

For treating new floors:

Wait for about 1 day, or until the floor is dry.

Avoid using water to keep the concrete wet, water washes the cement away. Instead of watering, spray Danish Concrete Floor Hardener®, by using a Sprayer, Water Can and/or a low-pressure spraying machine (fungicide sprayer).

Use a swabber afterwards to make sure that the liquid is evenly spread.

For coloured concrete, add coloured powder of choice to concrete mixture, treat with Danish Concrete Hardener.

Very important:

Day 1

Apply 3-4 times, ensure to do the DEEP IMPREGNATION the first day.

Treat the concrete and ensure to spray gently, should be done equally.

If you look closely, you can see **bubbles** coming out of the concrete, this means our product is penetrating into the concrete.

If you give too much the first time, you will "choke" the floor and bubbles cannot come out.

So, its better to treat 3-4 times.

If a layer appears, clean the floor and scrub them with a machine, so there is no loose concrete left, and/or vacuum clean it afterwards.

Day 2

Apply 1-2 times more. Only to "fill up" the placed floor for the last 1-2 mm.

Make sure the fluid disappears in the concrete.

You will notice that the concrete takes less and less of the liquid.

Now the floor is cured.

Wait 4-5 days and start using the floor.

After 10 days, the floor is resistance to water, acid, chemicals, oil, grease & other spillages. More resistant to abrasion, heat/fire, etc.



For treating old floors:

- Clean, scrub, and vacuum clean the old floor.
- If the floor is in a good condition, you can proceed in the same way as for the new floor.
- If floor is so bad, put on a new layer of fresh concrete on top.
- Treat 1 time with Danish Concre Floor Hardener®.
- After 1 - 2 days or when it is dry, put a well-leveled layer of concrete on top. Treat, the same way as a newly placed floor.

Hygiene measures

- Wash hands with clean water after product usage.
- Brushes, spraying machines have to be cleaned in clean water.

Results

- Good quality floor achievements.
- Better braking capacity for trucks, cars, aeroplanes on roads & runways.
- Industrial floors become more resistant to abrasion caused by vehicle/forklift tire marks in warehousing operation.
- Easy cleaning of floors.
- Oil, acid, chemical resistance industrial floors.
- No dust-emissions on floors.
- 100% repellent to liquids - water, oil, chemicals etc.

Treated floor testing

After curing of floor, do a test by pouring any of your own liquids i.e. acid, chemical, oil, water on the floor to see, if the treated floor is repellent.

Recommended to use in new construction projects & renovation of existing floors & walls in:

Warehouses, highways, runways, bridges, dams, garages, car parking places, railway sleepers, interlock pavings, stadiums, shopping malls, harbours, houses, animal housing facilities, abattoirs, slab foundations, oil refineries, school buildings, boundary walls, factories, pre cast buildings, cold storage rooms, distribution centers with lots of truck traffics, breweries, chemical plants, pre-fabricated walls, block making businesses, etc.



For Long lasting Coloured concrete floors

Add coloured powder of choice to concrete mixture, treat with Danish Concrete Floor Hardener®. The result is deep, long-lasting coloured floors that are water repellent, acid, chemical and abrasion resistant.



Manufactured by:
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