

### After treatment

The importance of the after-treatment is critical, especially depending on heavy wind, temperature, direct sunlight etc therefore apply Lindolit<sup>®</sup> or Lithurin<sup>®</sup> moisture curings directly after troweling to prevent too quick drying out. Otherwise it would lead to cracks and to soft top surface (poor abrasion resistance)

### Laying instructions (manual with sprinkling carrier)

1. Apply the concrete base as evenly as possible. Observe that a lower "slump" reduces the color differences in the top surface.
2. When you are able to walk on the surface and the "foot mark/print" is approx 1 mm, it is time to apply the Ibolith<sup>®</sup> Top. When applying this late, the tire marks from the sprinkling carrier can almost be avoided.
3. To increase the bonding between the concrete base and the Ibolith<sup>®</sup> Top, apply 1 kg per m<sup>2</sup> and then power float the surface with disc, mainly to avoid residues on the top where the Ibolith<sup>®</sup> Top is to be applied.
4. After the first trowelling, apply the remaining 3-4 kg per m<sup>2</sup> Ibolith<sup>®</sup> Top as evenly as possible, with the sprinkling carrier. Let it absorb moisture from the concrete base.
5. After the Ibolith<sup>®</sup> Top has absorbed moisture, power float with disc at least 5-6 times in both directions. Consider using Allen "composite" disc, especially when using lighter colors (see concrete machinery).
6. Finally power trowel the surface with finishing blades, at least 3-4 times in both directions.
7. Directly after the last trowelling, apply Lindolit<sup>®</sup> W (waterbased) moisture curing with the consumption of 1 litre (concentrate) to approx 10-12 m<sup>2</sup> (diluted 1:2 with water) or 1 litre (concentrate) to approx 15-17 m<sup>2</sup> (diluted 1:3 with water) in combination with water and plastic film, which are applied the following morning. Another option is to apply Lindolit<sup>®</sup> S (solvent based) or Lithurin<sup>®</sup> IIS (water based) with the consumption of 1 litre to approx 8-10 m<sup>2</sup>.
8. Before using the floor, we recommend cleaning/impregnation with Lindec Concrete Soap<sup>®</sup>, using a scrubber dryer machine (scrubs and vacuums) with a black scouring nylon. Consumption 0,10 liter per m<sup>2</sup> (diluted 1:10 with water). This will impregnate the surface and increase the shine.

### Joint filling

A high-quality and professional floor laying is not always sufficient to obtain the best possible result. In order to avoid cracks in concrete floors it has become common practice to saw notches in 6 x 6 m or 8 x 8 m squares, depending on pillars etc. After 3-6 months at the earliest, the joints are vacuum-cleaned, and filled with for instance Linofog<sup>®</sup> Mix or Linoflex<sup>®</sup>. Please see separate laying instruction.

### Recommendations to achieve a better and more even color

It is important to remember that we are dealing with concrete, which contains of different kinds of sand and gravel as well as water, cement and possibly a plasticizer. Every truckload of concrete can vary in its proportions of water and raw materials.

This will have an impact on the final result of the floor. It's hard to control this to 100%, but below you will find some points to take into consideration that will give you a better chance of a good result.

1. Make sure that the concrete is of good quality. Less water in the concrete will reduce the lime precipitation and the color differences.
2. Try to apply Ibolith<sup>®</sup> Top as late as possible,
3. In case plastic film and water is used as moisture curing, make sure that the plastic film isn't removed during the first 7-14 days and that it covers the whole floor during this period.
4. Avoid low quality troweling pans and blades. These can give off steel which darkens the surface. It is preferable to use Allen composite pans, see "Allen Compodisk<sup>®</sup>" chapter for more information on [www.concretefloor.com](http://www.concretefloor.com)
5. Hand tools, pans and blades should be clean and free from dirt and residues before use!
6. When using petrol driven machines, make sure that you don't fill the petrol tank on the newly made floor.
7. Avoid troweling too hard with pan and blades (burned surface)!

Please observe that possible color differences have no effect on the quality. It is only a cosmetic difference and the material will not be less good or less strong!

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