



## HTC Superfloor™ Silver

HTC Superfloor™ is available as four different concepts: Platinum, Gold, Silver and Bronze. For **HTC Superfloor™ Silver** the following special requirements apply for concrete surfaces that are to be given a final finish by grinding according to the HTC Superfloor™ concept.

### CASTING

To achieve an optimum aesthetic finish on the floor, the casting is of the greatest importance. (A poorly cast floor will be costly to grind, and even if the function of a polished floor can be achieved, the finish will be affected by uneven aggregate, cracks, etc.) The HTC Superfloor™ method is not in itself a method for preventing cracks in the floor, etc. Through experience from earlier examples, we can give the following tips on points to consider before casting:

- 1: Work the surface using a power float equipped with a surface plate. (To achieve a surface as pore-free and level as possible, thorough power floating is required)
- 2: The surface is power troweled moderately. A hard troweled surface is more difficult and time-consuming to grind through.  
Alternatively, the surface can be treated with a wide fresno trowel.
- 3: Normally, the concrete surface should be water hardened under plastic sheeting for 5-7 days after casting, before it is time to start grinding. Where appropriate, only with the rough step, leaving fine grinding until a later date.
- 4: The surface must not be waterlogged when impregnating. (This is to enable the silicate impregnation to penetrate and react with the concrete.)
- 5: If the finished floor is to fulfil class A according to Hus AMA 98, table 43 DC/-1, (SS-EN 1992-1-1:2005/AC:2008) the floor must fulfil identical requirements before the HTC Superfloor™ method commences. The same also applies for class B floors. (This is very important to remember when planning. With grinding, we only work on finishing the existing concrete surface. Minor irregularities can be corrected, but the grinding will be more expensive.)

### GRINDING PROCESS

The first grinding step is intended to remove the concrete skin and expose the underlying fine material, gravel and, **where possible, aggregate**. Normally, only 2 - 3 mm of the surface is ground down.

After grinding step 1, the concrete surface is treated with silicate, HTC Cure.



After grinding steps 2 and 3, the surface is inspected for cracks and pores. Where necessary, pores in the surface are filled, e.g. with HTC Grouting, if ordered by the customer.

After the third grinding step, the concrete surface is treated with HTC Stain Protection Pore Primer.