

UZIN Turbolight System

Rapid construction and renovation system

The UZIN Turbolight System is a family of mutually compatible installation materials for creating quick-laying substrates. This system offers a unique combination of low area weight, high load-carrying capacity and very good insulating properties.

System components:

- ▶ UZIN NC 194 Turbo Light, rapid leveling screed mortar
- ▶ UZIN RR 201 renovation fleece
- ▶ UZIN NC 195 thin bed screed / UZIN reinforcement fibre



Application

- 1 After the substrate has been suitably prepared, it should be primed with UZIN PE 360 or codex Fliesengrund (tile base) using the UZIN Nylon-Plüsch roller. Alternatively, a polyethylene (PE) foil can be laid when the minimum system thickness is to be at least 3 cm.
- 2 Position at least 8 mm thick foam expansion strips around all vertical building elements such as walls, supports, pipes, platforms, door frames, etc. This prevents acoustic bridges and stresses resulting from rigid bonding to other building elements.



3 Mixing UZIN NC 194 Turbo

a) Mixing tub:

Pour the required quantity of cold, clear mixing water into a suitable mixing tub. Add the UZIN NC 194 Turbo Light, rapid screed mortar and mix to a smooth and evenly distributed mixture using a suitably powerful electric mixing tool.

b) Screed pump:

Empty 2 full sacks of UZIN NC 194 Turbo in the mixer. Then add the required quantity of water (approx. 16 – 20 litres) and mix for two minutes. Finally pump to the workplace and apply quickly.

c) Gravity mixer:

A drum holds approx. half a sackful. Add approx. a third of the water required to the mixer. Then tip half a sack of UZIN NC 194 Turbo into the mixer and slowly add the remaining water (approx. 4 – 5 litres in total). Continue mixing until the screed is smooth and fully mixed.

The cement should always have a plastic consistency similar to damp earth loam.

4 After mixing, the screed should be spread to the desired thickness using a rake and screed trowel before being drawn level using a screeder bar. Do not compress!

5 Roll out UZIN RR 201 renovation fleece onto the hardened surface after a waiting time of at least 24 hours* and then cut to size with suitable scissors. Lay the fleece loosely over the whole surface with at least 2 cm overlap between lengths.

6 Mix UZIN NC 195 bonded levelling compound with clear, cold water and apply in the required thickness (at least 5 mm).

A bag of UZIN reinforcement fibres can be mixed in for each sack of UZIN NC 195 when the layer is to be more than 5 mm thick. It may be necessary to apply a fine levelling compound such as UZIN NC 170 LevelStar, depending on the floor covering to be applied. In this case the levelling compound should be primed with UZIN PE 360 first.

7 Textile and elastic floor coverings as well as wood flooring may be laid using the standard methods once the bonded levelling compound has fully hardened*.

*At 20 °C and 65% relative humidity.

