

Slip Resistance

Another area of concern is non-slip tiles. There are specific resistance tests carried out on tiles which grade a specific tile for its suitability to given conditions.

DIN 51130 classifies tiles with ratings of R9-R13 for shore traffic:

- R9 – Suitable for a 10% slope
- R10 – Suitable for a 19% slope
- R11 – Suitable for a 27% slope
- R12 – Suitable for a 35% slope
- R13 – Suitable for over 35% slope

The V rating demonstrates the minimum volume of collection space for dirt before the tile begins to lose its anti-slip properties.

- V4 – 4cm³
- V6 – 6cm³
- V8 – 8cm³
- V10 – 10cm³

DIN 51097 also classifies tiles from A to C for non-slip suitability, but this time for foot traffic in wet areas.

- A – Suitable for a slope up to 12%
Corridors for walking barefoot (mostly dry), single and group changing rooms, bottoms of shallow swimming pools, where the water depth is less than 80cm for the entire pool.
- B – Suitable for a slope up to 18%
Corridors for walking barefoot not part of class A.
Showers
Areas of disinfectant spraying
Passage around swimming pools
Bottoms of shallow swimming pools, where at certain points the water depth is less than 80cm.
Bottoms of shallow swimming pools with wave generation
Lifting platforms
Children's swimming pools.
Ladders leading into water
Steps leading into water with 1m max. width and handrail on both sides
Ladders and steps outside the pool area

C – Suitable for a slope up to 24%
Ladders leading into the water not part of class B
Pools for passage
Sloping edge of swimming pools.