

TEST METHOD DIN 51097, ed. 11/92

Testing of floor coverings; determination of the anti-slip properties, wet-loaded barefoot areas.

Walking method – ramp test.

This test is used for the slip resistance of floor tiles under wet and barefoot conditions. The tiles are fixed on a ramp which is made wet, and a test person walks on them with the ramp set at a succession of increasing angles until the person slips. The angle at which they slip is recorded. Tiles are classified into one of three groups, A, B, or C, as an indication of their level of slip resistance. It is normally recommended that tiles for use in wet barefoot areas achieve classification C.

Category	Lower Limit	Upper Limit	Area
A	12°	18°	<ul style="list-style-type: none"> • barefoot hallways (mainly dry) • individual and group changing rooms with lockers • pool floor in the nonswimmer areas, where the water level exceeds 80 cm
B	>18°	24°	<ul style="list-style-type: none"> • barefoot hallways, if not classified in A • showers • area surrounding the disinfectant sprayers • pool surrounds • pool floor in the nonswimmer areas where the water level is less than 80 cm in parts • pool floor in the nonswimmer areas in the tide effect pool • lift slab floors • paddling pools, • steps leading into the water • steps, of maximum 1 m width with hand rails, leading into the water • steps outside of the pool area
C	>24°		<ul style="list-style-type: none"> • steps leading into the water, if not classified in B • foot baths • inclined pool borders

A,B,C values according to DIN 51097, for barefoot areas.

Value Suitable for

A Barefoot areas, mostly dry

A+B Shower rooms and pool floors no deeper than 80 cm

A+B+C Sloping pool edges and underwater steps