

# TEST CERTIFICATE

to anti-slip property of floor- and ramp surfaces and  
to skid resistance of surfaces of swimming pool equipment

Tested material: **Wet area mat in rolls,  
antibacterially treated UV-resistant PE/EVA polymers**  
**Signification: Kleen-Wave**  
**Work size: thickness: 9 mm, roll size: 58 cm x 16 m**  
**Colour: test specimen: beige**  
(according to description five standard colours available:  
dark blue, pastel blue, graphite, beige, light grey)  
**Surface: profiled by wavelike bearing bars, width: 19 mm,  
distance: 5 mm, height of rod: 9 mm, nub struc-  
ture: average d = 2-2,5 mm, h = 0,2 mm, distance  
7/10 mm (12140 raised knobs/m<sup>2</sup> on the surface  
for increased friction)**

Testing object: Placement of profiling: without direction  
Production of the test covering was effected factory-made.  
Delivery of the test material was effected in ready-to-test surface condition.

Producer / Supplier: **Kleen-Tex Industries GmbH  
Kaiser Nordwand - Fűrholz 2  
A-6341 Ebbs (AUSTRIA)**

Applicant: Kleen-Tex Industries GmbH  
Kaiser Nordwand - Fűrholz 2  
A-6341 Ebbs (AUSTRIA)

Date of order: 17.08.2010

Certificate number: 86591001.002

Sampling: Sent by the customer to the research institute

Test method: **DIN EN 13451**, ed. 07/01 „Swimming pool equipment“  
Part 1: „General safety requirements and test methods“  
Part 2: Additional specific safety requirements and test methods for  
ladders, stepladders and handle bends  
Part 4: Additional specific safety requirements and test methods for  
starting platforms“  
**DIN EN 15288-1**, ed. 11/08 „Swimming pools“  
Part 1: „Safety requirements for design“

Test result: **Average inclination angle 30°**  
(degree of inclination)

Assessment: **Requirements on the slide-blocking property for the range of  
application class 24° are fulfilled.**

**SÄUREFLIESNER-VEREINIGUNG e. V.**  
Institute for Wall and Floor Coverings  
Managing Director

Dr.-Ing. E. H. Nolting

Großburgwedel, 24.09.2010  
Schu/ed

This test-certificate is valid as long as there is no change in the above mentioned test-basis - for products which are identical to the test-specimen. The report is given for 5 years (beginning data of delivery report). Publication and reproduction of this report is only allowed in unabridged form.

– Institut für Wand- und Bodenbeläge –  
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