



Services overview textile flooring
Department flooring technology and interior



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Services information

ÖTI - Institute for Ecology, Technology and Innovation GmbH is accredited and notified as testing laboratory for floor coverings (NB 0534). All tests are subject to a quality management program according to EN ISO 17025.

This services overview is based on a list of the most common and most important tests (mainly according to EN, ISO and EN/ISO standards). Yet, ÖTI offers a vast range of other services and tests, which we are happy to quote for you upon request.

Orders are accepted in writing (letter, e-mail, fax), by phone and in person. Please note that we will only issue order confirmations on special request. Tests marked with “*”) will be tested with suitable subcontractors if required.

Our terms and conditions apply. Our current T&C's are published on our webpage (www.oeti.at).



Tests for CE-marking according to EN 14041:2006

Tests/ Performances
Burning behaviour, EN ISO 9239-1, EN ISO 11925-2, EN 13501-1
Content of Pentachlorophenol, CEN/TS 14494
Formaldehyde emission, EN 717-1 *)
Slip resistance, dynamic coefficient of friction, EN 13893
Electrical and antistatic behaviour; ISO 10965, ISO 6356
Thermal resistance, ISO 8302 *)

Tests for classification (use classes) according to EN 1307

Tests / Performances
Total weight, ISO 8543
Surface pile weight, ISO 8543
Total thickness, ISO 1765
Surface pile thickness, ISO 1766
Calculation of pile density, ISO 8543
Mass per unit area of the use surface of needled floor coverings, EN 984
Number of tufts or loops, ISO 1763
Fibre bind, EN 1963
Hairiness (Pilling) of needle-punched floor coverings, EN 1963
Fibre bind at ≥ 80% natural fibre, ISO 11856
Thickness loss after brief, static moderate loading, ISO 3415
Mass loss - Lisson pedal wheel method, EN 1963
Drum test (changes in appearance), ISO 10361
Resistance to fraying, EN 1814
Castor chair test, general structural integrity; EN 985, Methode C
Castor chair test, colour change, EN 985, Methode B



Dimensional stability and curling after exposure to heat, ISO 2551 / EN 986
Side length, squareness and straightness of tiles, EN 994
Colour fastness to artificial light, EN ISO 105-B02
Colour fastness to rubbing, dry and wet, EN ISO 105-X12
Colour fastness to water, EN ISO 105-E01
Sensitivity to spilled water, EN 15115
Assessment of impregnations by means of a soiling test, EN 1269
Resistance to delamination of the secondary backing, EN ISO 11857

Additional suitabilities according to EN 1307

Tests / Performances
Castor chair suitability, EN 985 und EN 1307
Suitability for use on stairs, EN 1963 und EN 1307
Antistatic behaviour (walking test), ISO 6356
Vertical- and horizontal resistance, ISO 10965
Reduction of transmitted impact noise*), EN ISO 10140-3
Sound absorption*), EN ISO 354
Steady-state thermal resistance*), ISO 8302
Suitability for occasionally wet conditions, EN 1307
Resistance to fraying, EN 1814

Burning behaviour

Tests / Performances
Burning behaviour, EN ISO 9239-1
Ignitability, EN ISO 11925-2
Classification of burning behaviour, EN ISO 13501-1
Burning behaviour for automotive, MVSS 302, DIN 75200
Burning behaviour for aircrafts, FAR 25.853



Electrical and antistatic behaviour

Tests / Performances
Antistatic behaviour (walking test), without cleaning, ISO 6356
Vertical- and horizontal resistance, ISO 10965
Pre-treatment (cleaning procedure), EN 14041

Various mechanical/physical tests

Tests / Performances
Artificial ageing (3 Weeks at 70 °C), optional with subsequent drum test
Withdraw force of longitudinal tuft-rows, ISO 4916
Tuft withdrawal force, ISO 4916
Dynamic coefficient of friction, EN 13893
Creep of the backing (cold flow), EN 995
Resistance of textile floor coverings to delamination, EN ISO 11857
Suitability for underfloor heating (without antistatic), EN 1307:2009
Thermal resistance, ISO 8302*)

Soiling, cleaning and maintenance characteristics

Tests / Performances
Assessment of impregnations in needled floor coverings by soiling, EN 1269
Soiling test (Grey scale assessment), EN ISO 11378-2
Soiling test (Instrumental assessment), EN ISO 11378-2
Sensitivity to spilled water and following soiling, EN 1269
Examination and assessment of dirt-repellent properties (oil and water repellence test, 3M)
Examination and assessment of stain removability, ÖTN 101
Examination and assessment of soiling and cleaning behaviour, ÖTN 102
Examination and assessment of detergent residues in the use layer, ÖTN 096



Odour and emission tests, general analytical tests

Tests / Performances
Odour test, GuT test method
Odour test, SNV 195651
Odour test, ONR 195702
Content of Pentachlorophenol, CEN/TS 14494
Testing for pesticides (aldrin, DDD, DDE, dieldrin,...)
Extractable heavy metals
Extractable chrome VI content
Determination of emission of VOC and SVOC from construction products after 3 and 28 days, AgBB-Scheme (ISO16000/3+6+9+10+11) und DiBt-licensing

Colour fastness

Tests / Performances
Colour fastness to artificial light, EN ISO 105-B02
Colour fastness to rubbing, dry and wet; EN ISO 105-X12
Colour fastness to shampooing, ÖTN 033
Colour fastness to water, EN ISO 105-E01
Sensitivity to spilled water, EN 15115



About us – Department flooring technology and interior

Our expertise in testing and evaluating floor coverings and interior design materials spans decades.

Regarding “floor coverings” our team of specialists focuses on testing and evaluating textile floor coverings and resilient floor coverings such as PVC, rubber and linoleum as well as laminate- and wooding flooring.

Apart from determining possible usages and specific suitability characteristics such as castor chair suitability, suitability for use on stairs and underfloor heating, etc...., we also focus on testing for safety-related properties like fire behaviour and anti-slip properties.

In the area of “interior design”, we test and assess interior materials like for example curtains, upholstery and decoration materials. Apart from testing characteristics like abrasion resistance, strength and colour fastness our focus is on fire, smoke and dripping behaviour.



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We are looking forward to hearing from you!

Our Mission

We deliver reliable, high quality consulting, testing and certification services worldwide.

We are independent, highly-skilled and customer-oriented.

We offer comprehensive service and safety in the fields of ecology, textiles, flooring technology and interior materials with our team of specialists.

We increase our customers' competitiveness.

We act responsibly towards our employees, our customers and our environment.

Competence creates confidence

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