SERVICES OVERVIEW

LAMINATE and WOOD FLOORCOVERINGS

Department flooring technology and interior

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Contents

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Services information

OETI - Institute for Ecology, Technology and Innovation 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).

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Tests for CE-marking according to EN 14041

Tests / Performances
Burning behavior, EN 13501-1 / EN ISO 9239-1 / EN ISO 11925-2
Content of Pentachlorophenol, CEN/TS 14494
Formaldehyde emission, EN 717-1 *)
Slip resistance, dynamic coefficient of friction, EN 13893
Electrical and antistatic behavior, EN 1081 / EN 1815
Thermal resistance, ISO 8302

Tests for CE-marking according to EN 14342

Tests / Performances
Burning behavior, EN 13501-1 / EN ISO 9239-1 / EN ISO 11925-2
Content of Pentachlorophenol, CEN/TR 14823
Formaldehyde emission, EN 134342:2013 Annex A / EN 717-1
Breaking force, EN 1533
Slip resistance, CEN/TS 15676 (Pendulum test) *)
Thermal resistance, EN 12664 *)

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Tests for classification according to EN 13329

General requirements
Thickness, EN 13329 A
Dimensions of the top layer, EN 13329 A
Squareness and straightness, EN 13329 A
Flatness, EN 13329 A
Width of join and difference in height of joined elements, EN 13329 B
Dimensional changes, EN 13329 C
Color fastness to artificial light, EN ISO 105 B02
Residual indentation after static loading, EN ISO 24343-1 / EN 433
Resistance to raising the surface layer, EN 13329 D
Classification tests
Abrasion, EN 13329 Annex E
Impact resistance – large ball method, EN 13329 F
Impact resistance – small ball method, EN 13329 F
Resistance to staining, EN 438 (per test liquid)
Resistance to burning cigarettes, EN 438
Effect of simulated movement of a furniture leg, EN 424 *)
Castor chair suitability, EN 425
Swelling, EN 13329 G
Locking strength, ISO 24334 *)
Dimensional changes, ISO 24339 *)

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Tests for classification according to EN 15468

General requirements
Thickness, EN 13329 A
Dimensions of the top layer, EN 13329 A
Squareness and straightness, EN 13329 A
Flatness, EN 13329 A
Width of join and difference in height of joined elements, EN 13329 B
Dimensional changes, EN 13329 C
Colour fastness to artificial light, EN ISO 105 B02
Residual indentation after static loading, EN ISO 24343-1 / EN 433
Resistance to raising the surface layer, EN 13329 D
Classification tests
Abrasion according to EN 13329 Annex E
Impact resistance – large ball method, EN 13329 F
Impact resistance – small ball method, EN 13329 F
Resistance to staining, EN 438 (per test liquid)
Effect of simulated movement of a furniture leg, EN 424
Castor chair suitability, ISO 4918
Swelling, EN 13329
Locking strength, ISO 24334 *)

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Tests for classification according to EN 14978

General requirements
Degree of gloss, EN ISO 2813
Thickness,13329 A
Dimensions of the top layer, EN 13329 A
Squareness and straightness, EN 13329 A
Planeness, EN 13329 A
Width of join and difference in height of joined elements, EN 13329 B
Dimensional changes, EN 13329 C
Colour fastness to artificial light, EN ISO 105 B02
Residual indentation after static loading, EN ISO 24343-1 / EN 433
Resistance to raising the surface layer, EN 13329 D
Classification tests
Abrasion according to EN 14354 Annex D
Impact resistance – large ball method, EN 13329 F
Impact resistance – small ball method, EN 13329 F
Resistance to staining, EN 438 (per test liquid)
Resistance to burning cigarettes, EN 438
Effect of simulated movement of a furniture leg, EN 424
Castor chair suitability, EN 425
Swelling, EN 13329 G

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Burning behavior

Tests / Performances
Burning behavior, EN ISO 9239-1
Ignitability, EN ISO 11925-2
Classification of burning behavior, EN ISO 13501-1
Description of the specimen for classification according to EN 13501-1
Gluing for fire test according EN ISO 9239-1 (6 plates)

Electrical and antistatic behavior

Tests / Performances
Antistatic behavior (walking test), EN 1815
Vertical- and horizontal resistance, EN 1081

Acoustic behavior

Tests / Performances
Sound absorption coefficient, EN 20354 *)
Reduction of transmitted impact noise, EN ISO 10140-3 *)

Slip behavior

Tests / Performances
Anti-slip properties "ramp test", DIN 51130
Dynamic coefficient of friction, EN 13893
Slip resistance, CEN/TS 15676 (Pendulum test) *)

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Odour and emission tests, general analytical tests

Tests / Performances
Odour test, SNV 195651, ONR 195702, ...
Content of Pentachlorophenol, CEN/TS 14494, CEN/TR 14823
Formaldehyde emission, EN 717-1 *)
Determination of emisson of VOC and SVOC from construction products after 3 and 28 days, AgBB-Sheme (ISO16000/3+6+9+10+11) and DiBt-licensing principle
Assessment of release of dangerous substances, determination of emissions into indoor air; EN 16516

Various physical/mechanical tests

Tests / Performances
Moisture content, EN 322
Micro-scratch resistance, methode A, EN 16094
Micro-scratch resistance, methode B, EN 16094

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Tests for wood and parquet flooring

Tests / Performances
Moisture content, EN 322
Overall thickness / thickness of each layer, EN 14354 annex A
Dimensions, squareness and straightness, EN 14354 annex A
Edge offset, EN 14354, annex B
Joint gap, EN 14354 annex B
Curvature, EN 14354 annex A
Brinell hardness, EN 1534
Transverse tensile strength *), EN 319
Resistance to raising the surface layer, EN 13329 D
Swelling, EN 13329 G
Resistance to impact, EN 14354 annex C
Abrasion resistance, EN 14354 annex D

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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.

Your contact:

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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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