



**Services overview resilient flooring**  
**Department flooring technology and interior**



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**Contents**

Services information.....	page	3
Tests for CE-marking according EN 14041:2006.....	page	4
PVC floor coverings.....	page	5
Additional and optional characteristics of PVC-floor coverings.....	page	5
Rubber floor coverings.....	page	6
Additional and optional characteristics of rubber floor coverings.....	page	6
Linoleum floor coverings.....	page	7
Additional and optional characteristics of Linoleum floor coverings .....	page	7
Cork and synthetic thermoplastic polymer floor coverings.....	page	8
Additional and optional characteristics of cork and synthetic thermoplastic polymer floor coverings.....	page	8
Burning behaviour.....	page	9
Electrical and antistatic behaviour.....	page	9
Acoustical behaviour.....	page	9
Slip behaviour.....	page	9
Various mechanical/physical and chemical/analytical tests.....	page	10
About us – Department flooring technology and interior.....	page	12



### 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](http://www.oeti.at)).



### Tests for CE-marking according EN 14041:2006

Tests/ Performances
Burning behaviour; EN ISO 9239-1, EN ISO 11925-2, EN 13501-1
Slip resistance, dynamic coefficient of friction, EN 13893
Electrical and antistatic behaviour; ISO 10965, ISO 6356
Thermal resistance, ISO 8302 *)



## PVC floor coverings

Tests/ Performances
Homogeneous poly(vinyl chloride) floor coverings – EN ISO 10581
Heterogeneous poly(vinyl chloride) floor coverings – EN ISO 10582
Polyvinyl chloride floor coverings on jute backing or on polyester felt backing or on a polyester felt with a polyvinyl chloride backing – EN 650
Polyvinyl chloride floor coverings with foam layer – EN 651
Polyvinyl chloride floor coverings with cork-based backing – EN 652
Expanded (cushioned) poly(vinyl chloride) floor coverings – EN ISO 26986
Tiles of agglomerated composition cork with polyvinyl chloride wear layer – EN 655
Polyvinyl chloride floor coverings for use in special wet areas – EN 13553
Polyvinyl chloride floor coverings with a filled fibrous backing – EN 13413
Polyvinyl chloride floor coverings with particle based enhanced slip resistance – EN 13845

## Additional and optional characteristics of PVC-floor coverings according to product standard

Tests/ Performances
Antistatic behaviour (walking test), EN 1815
Vertical- and horizontal resistance, ISO 10965
Effect to stains, 4 standard staining substances (further substances on request), EN ISO 26987
Dimensional stability and curling after exposure to heat, EN ISO 23999
Amount of phtalate in PVC, EN 665
Voilate loss, EN 664
Shear force of resilient floor coverings, EN 432
Water spreading, EN 661



**Rubber floor coverings**

Tests/ Performances
Homogeneous and heterogeneous smooth rubber floor coverings with foam backing – EN 1816
Homogeneous and heterogeneous smooth rubber floor coverings – EN 1817
Homogeneous and heterogeneous relief rubber floor coverings – EN 12199
Smooth rubber floor coverings with or without foam backing with a decorative layer – EN 14521

**Additional and optional characteristics of rubber floor coverings according to product standard**

Tests/ Performances
Rubber abrasion, ISO 4649 *)
Antistatic behaviour (walking test), EN 1815
Vertical- and horizontal resistance, ISO 10965
Effect to stains, 4 standard staining substances, EN ISO 26987
Effect of simulated movement of a furniture leg, EN 424 *)
Resistance to stubbed cigarettes, EN 1399 A
Resistance to burning cigarettes, EN 1399 B
Castor chair suitability (25000 Turns), EN 425



**Linoleum floor coverings**

Tests/ Performances
Plain and decorative linoleum – EN ISO 24011
Plain and decorative linoleum on a foam backing – EN 686
Plain and decorative linoleum on a corkment backing – EN 687
Corklinoleum – EN 688

**Additional and optional characteristics of linoleum floor coverings according to product standard**

Tests/ Performances
Antistatic behaviour (walking test), EN 1815
Vertical- and horizontal resistance, ISO 10965
Effect to stains, 4 standard staining substances, EN ISO 26987
Resistance to stubbed cigarettes, EN 1399 A
Resistance to burning cigarettes, EN 1399 B
Cement content and ash residue of linoleum, EN ISO 26985



**Cork and synthetic thermoplastic polymer floor coverings**

Tests/ Performances
Agglomerated cork underlays – EN 12103
Cork floor tiles – EN 12104
Floor coverings based upon synthetic thermoplastic polymers – EN 14565

**Additional and optional characteristics of cork and synthetic thermoplastic polymer floor coverings according to product standard**

Tests/ Performances
Effect to stains, 4 standard staining substances, EN ISO 26987
Electrical resistance, EN 1081
Steady-state thermal resistance, ISO 8302 *)
Sound absorption coefficient, EN 20354 *)
Reduction of transmitted impact noise, EN ISO 10140-3 *)





**Burning behaviour**

Tests/ Performances
Burning behaviour, EN ISO 9239-1
Ignitability, EN ISO 11925-2
Classification of burning behaviour, EN ISO 13501-1

**Electrical and antistatic behaviour**

Tests/ Performances
Antistatic behaviour (walking test), EN 1815
Vertical- and horizontal resistance, ISO 10965

**Acoustical behaviour**

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

**Slip behaviour**

Tests/ Performances
Anti-slip properties "ramp test", DIN 51130
Dynamic coefficient of friction, EN 13893



### Various mechanical/physical and chemical/analytical tests

Tests/ Performances
Side length, squareness and straightness of tiles, EN ISO 24342
Overall thickness, EN ISO 24346
Wear layer thickness, EN ISO 24340
Thickness of factory finish, in accordance to EN ISO 24340
Density of wear layer EN ISO 23996
Mass per unit area, EN ISO 23997
Residual indentation after static loading, EN ISO 24343-1
Dimensional stability and curling after exposure to heat, EN ISO 23999
Flexibility, EN 435 Method A and B
Castor chair suitability (25000 Turns), EN 425 / ISO 4918
Castor chair suitability (till 100 000 Turns), EN 425 / ISO 4918
Colour fastness to artificial light, EN ISO 105-B02
Seam strength EN 684
Effect of simulated movement of a furniture leg, EN 424 *)
Antistatic behaviour (walking test), EN 1815
Vertical- and horizontal resistance, ISO 10965
Electrical resistance, EN 1081
Hardness (Shore A), ISO 7619
Micro-scratch resistance, Method A and Method B, EN 16094
Amount of phthalate in PVC, EN 665 / EN 14041 Annex F
Apparent density of agglomerated cork, EN 672
Cement content and ash residue of linoleum, EN ISO 26985
Rubber abrasion, ISO 4649 *)
Anti-slip properties "ramp test", DIN 51130
Dynamic coefficient of friction, EN 13893
Shear force, EN 432
Resistance to peeling, EN ISO 24345
Reduction of transmitted impact noise, EN ISO 10140-3 *)
Sound absorption coefficient, EN 20354 *)



Tests/ Performances (table continued)
Effect to stains (4 standard staining substances), EN ISO 26987
Volate loss, EN 664
Wear resistance („Frick Taber“), EN 660-2
Water spreading, EN 661
Steady-state thermal resistance, ISO 8302 *)
Resistance to stubbed cigarettes, EN 1399, Method A and Method B



### 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, underfloor heating and many more, 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**

page 12 of 12