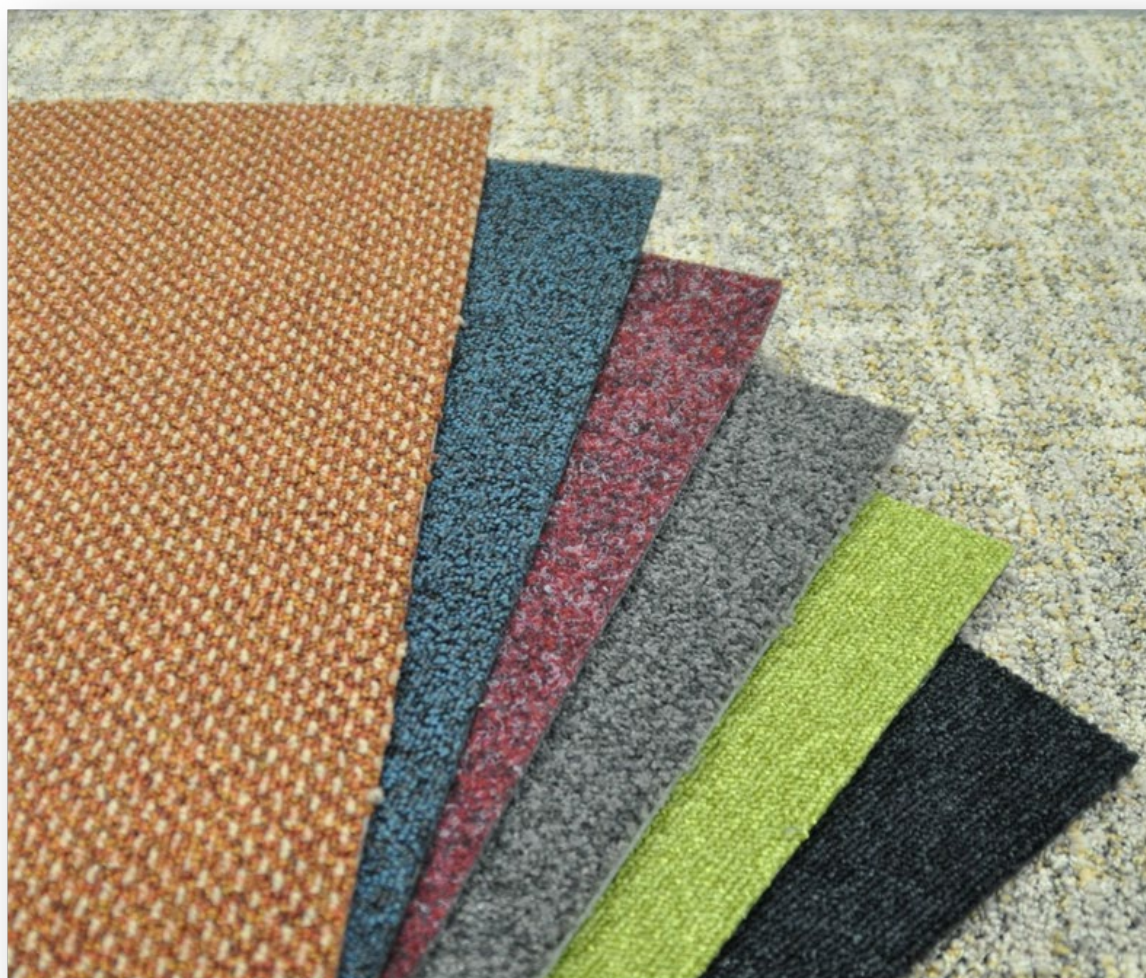




SERVICES OVERVIEW

TEXTILE FLOORCOVERINGS

Department flooring technology and interior



Date of issue: August 2021



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Services information

OETI - 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.biz).



Tests for CE-marking according to EN 14041

| 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 $\geq 80\%$ 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 |



Tests for classification (use classes) according to EN 1307

| Tests / Performances |
|---|
| 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 suitability's 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 |



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| Burning behaviour for automotive, MVSS 302, DIN 75200 |
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| Burning behaviour for aircrafts, FAR 25.853 |
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Electrical and antistatic behaviour

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| Tests / Performances |
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|---|
| Antistatic behaviour (walking test), ISO 6356 |
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| Vertical- and horizontal resistance, ISO 10965 |
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| Pre-treatment (cleaning procedure), EN 14041 |
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Various mechanical/physical tests

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| Tests / Performances |
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| Artificial ageing (3 Weeks at 70 °C), optional with subsequent drum test |
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| Withdraw force of longitudinal tuft-rows, ISO 4916 |
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| Tuft withdrawal force, ISO 4916 |
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| Dynamic coefficient of friction, EN 13893 |
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|---|
| Resistance of textile floor coverings to delamination, EN ISO 11857 |
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|--------------------------------|
| Thermal resistance, ISO 8302*) |
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Odour and emission tests, general analytical tests

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| Tests / Performances |
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|-----------------------------|
| Odour test, GuT test method |
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| Odour test, SNV 195651 |
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| Odour test, ONR 195702 |
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| Content of Pentachlorophenol, CEN/TS 14494 |
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| Testing for pesticides (aldrin, DDD, DDE, dieldrin,) |
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| Extractable heavy metals |
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| Extractable chrome VI content |
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| 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 |
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| Assessment of release of dangerous substances, determination of emissions into indoor air; EN 16516 |
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Colour fastnesses

| 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 design materials

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