

C417
Tarkett SpA
Via S. Anna, 6
05035 Narni Scalo (TR)
ITALY

Test Report No. C 51540-001

This test report replaces the report B 51540-001 from 07.11.2016

Test objective:

Odour Testing

Sample description by client:

Linowall; Model 14010

Sampled by:

Client

Date of arrival of sample:

26.09.2016

Test period:

26.09.2016 - 02.11.2016

Date of report:

23.11.2016

Number of pages of report:

5

Testing laboratory:

eco-INSTITUT Germany GmbH, Köln

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Sample view

Internal Sample-no.	Description by customer	Condition upon delivery	Type of sample
A001	Linowall; Model 14010; Art.-No.: 308, Batch 757D0	without objection	Linoleum wallcovering

Expert evaluation (M1)

The product **Linowall; Model 14010** has been tested on behalf of **Tarkett SpA**.

This evaluation bases on the test criteria of the Building Information Foundation RTS.
The results of the emission analysis are stated as Specific Emission Rate (SER).

The results documented in the test report were evaluated as follows:

Test parameter	Result	Requirement Emission class M1	Requirement hold [yes/no]
Emission analysis			
Measurement time: 28 days after test chamber loading			
TVOC (Sum volatile organic compounds) ¹⁾	Not tested	< 0.2 mg/m ² h	not tested
Formaldehyde	Not tested	< 0.05 mg/m ² h	not tested
Ammonia	Not tested	< 0.03 mg/m ² h	not tested
Sum carcinogenic substances (EU cat. 1A and 1B)	Not tested	< 0.005 mg/m ² h	not tested
Odour test			
Measurement time: 2 days after test chamber loading			
Odour	Acceptance 0.0	Acceptance ≥ 0.0	yes

1) for TVOC only substances ≥ 5 µg/m³ are considered

Summary evaluation

The product **Linowall; Model 14010** meets the Odour test requirements of the **Emission Class M1**.

Cologne, 07.11.2016



Alexandra Kühn
(Projektleiterin)

Remark: The test results refer to the submitted test sample exclusively. The validity of the report is three years at most and will end immediately at any alternation of material composition or in manufacturing process. Publishing in parts requires authorization.

Laboratory report

1 Odour Testing

Test parameter:
Odour, Acceptance

Test Method:
Analytics: | DIN EN ISO 16000-28 i.A., VDI 4302

Test conditions

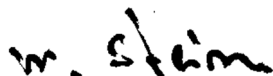
Test chamber	see 1 Emission analysis
Air sampling [days]	28
Probands	15
therefrom female	5
Evaluation	Continuous scale ranging from +1 (clearly acceptable) to -1 (clearly unacceptable)
Acceptance	

Test Result:
Sample: | Linowall; Model: 14010; Art.-Nr.:

	Acceptance
Arithmetical mean	0,0

	Acceptance
Arithmetical mean (background)	0,9
Standard deviation	0,3
half width of the 90 % confidence range	0,1

Cologne, 02.11.2016



Michael Stein, Dipl.-Chem.
(Deputy Technical Manager)

Appendix

I Sampling Sheet

Produktprüfung Product testing
 Zertifizierung Certification
 Beratung Consulting



Sampling Sheet*

Testing laboratory	eco-INSTITUT Germany GmbH Schanzenstr. 6-20, D-51063 Cologne Germany Tel. +49 (0)221 - 931245-0 Fax +49 (0)221 - 931245-33	Sampler (Name, Company, Phone number)	Ylenia Leonardi Tarkett S.p.A. Tel. 0039 0744 755235
Name of manufacturer / distributor at place of sampling (Address / Stamp)	Tarkett S.p.A. Via S. Anna, 6 05035 Narni Scalo (TR) Italy	Customer/ Invoice recipient (if different from manufacturer)	

Product name	Linowall	Product type (e.g. parquet, floor covering)	Linoleum wallcovering
Model / programme / series	14010	Batch	757D0
Article number	308	Production date of batch	26/08/2016

Samples are taken from	<input type="checkbox"/> current production <input checked="" type="checkbox"/> storage	Sampling date	22.09.16
Storage location before sampling	<input type="checkbox"/> in production <input checked="" type="checkbox"/> storage <input type="checkbox"/> other	Sampling time	09:00
Storage location:		Storage conditions before sampling	<input type="checkbox"/> open <input checked="" type="checkbox"/> packaged
		Packaging material:	

Special features (possible negative effects through emissions at place of sampling (e.g. benzine, exhaust fumes), unclarities, questions etc.)	Surface to be exposed for test is the linear design beige paste side
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Validation
 Hereby the signer affirms the accuracy of the above-mentioned statements. The sample was chosen, sampled and packaged according to the sampling guidelines.

Date: 23.09.16 Signature:
 (Company stamp)

TARKETT S.p.A.
 STABILIMENTO LINOLEUM
 Strada S. Anna, 6 05036 NARNI SCALO (TR)
 c.f. 00337080022 P.IVA 00777540550

* Please take one sampling sheet for each sample! The sampling instruction must be strictly maintained.

Order
(Please insert quote number, or - if not available, please enter the desired analysis)

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