

Concepts

Products

Service



# Linoleum

The natural covering



**Lindner**

Building New Solutions

# The advantages at a glance

## durable and easy to maintain

Linoleum can resist the heaviest stresses due to its material characteristics. Topshield™ – the unique water-based surface protection for all linoleum coverings of Forbo – guarantees easy maintenance and low maintenance costs.

## hygienic

Marmoleum and Artoleum have verifiable natural, bacteriostatic characteristics which means that the multiplying of certain microorganisms and bacterias is prevented by nature.

## environmental-friendly

Forbo Linoleum is manufactured environmental-friendly from natural, renewable raw materials with a low expenditure of energy and is biologically degradable. Marmoleum/Artoleum was certified as first and up to now only linoleum with the Natureplus sign for environment, health and function.

## difficult to ignite

Marmoleum/Artoleum complies with the requirements of the DIN 4102/B1 and prevents the spread of floor flames in the case of a fire. The occurring gases in case of a fire are fire-toxicologically uncritical.

## permanently antistatic

Marmoleum/Artoleum prevents the static charge of people and objects by nature.

# Technical Data

## Coverage:

Open-plan offices, Hospitals, Schools, Laboratorys, Stockrooms, Public Buildings, Public Areas with very intensity of use like Ticket Halls, Shops, Restaurants etc.



	Total thickness	EN 428	2.0 mm	2.5 mm	3.2 mm
	Area weight	EN 430	2.3 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>	3.9kg/m <sup>2</sup>
	Indentation residual	EN 433	0.07 mm	0.08 mm	0.10 mm
	Flexibility	EN 435	ø 30 mm	ø 40 mm	ø 50 mm
	Light fastness	ISO 105-B02	≥ Level 6	≥ Level 6	≥ Level 6
	Acoustical impact noise reduction	ISO 140-8	max. 4 dB	max. 5 dB	max. 6 dB
	Castor chair continuous use	EN 425	suited (type W)		
	Reaction to fire	DIN 4102	B1, difficult to ignite		
	Slip resistance	BGR 181	suited for work rooms with danger of slipping acc. to guideline ZH 1/571		
	Antistatics	EN 1815	requirement < 2 kV, measured < 0.5 kV		

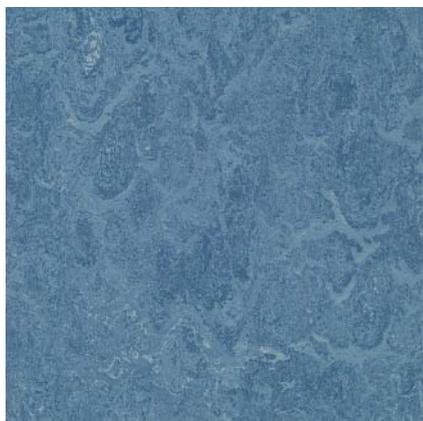
Marmoleum ohmex: Electrical resistance acc. to DIN EN 1081; values under 1 x 10<sup>8</sup> Ω.

# marmoleum<sup>®</sup> ohmex

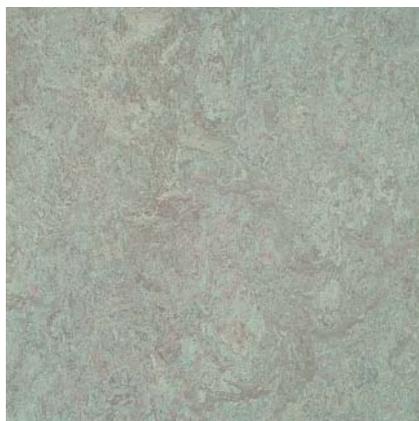
Marmoleum ohmex with special electrical characteristics has an improved electrical resistance acc. to DIN EN 1081 with values of lower  $1 \times 10^8 \Omega$ .



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## Drying chamber film

A production-related yellowish film, the so-called drying chamber film, can appear on the covering. This film disappears and the covering gets its original colour when the covering is exposed to (sun) light. We recommend exposing the samples to direct sunlight for several hours before the choice of colour.

The coverings can vary slightly in colour and structure.  
The colours are eventually not properly represented due to display settings and quality of the print-out. Therefore differences in colour can occur.

# marmoleum<sup>®</sup> fresco/real

A modern classic, Marmoleum Real's marbled structure is available in a wide choice of neutral, vivid and daring colours.



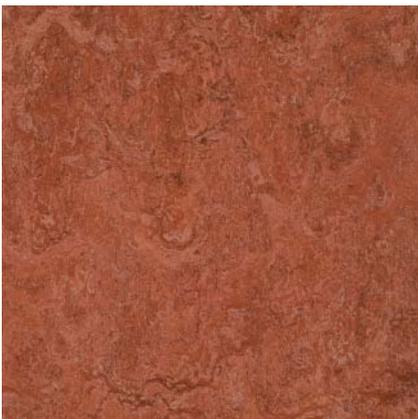
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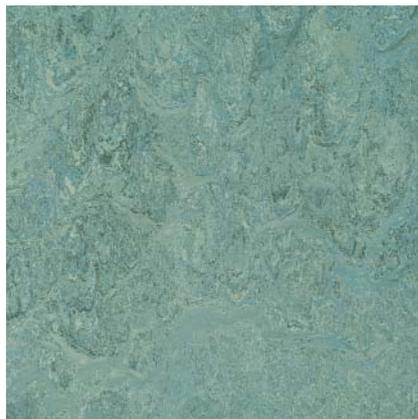
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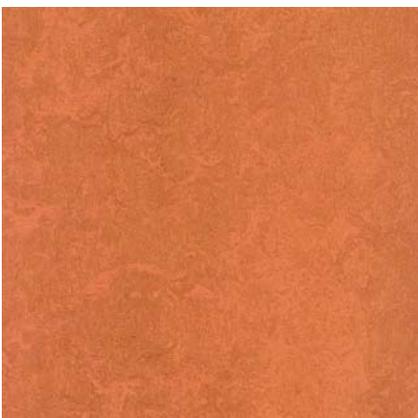
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# marmoleum<sup>®</sup> vivace

Vivace is a rich, lively design that hides dirt and adapts well to a multitude of interiors.



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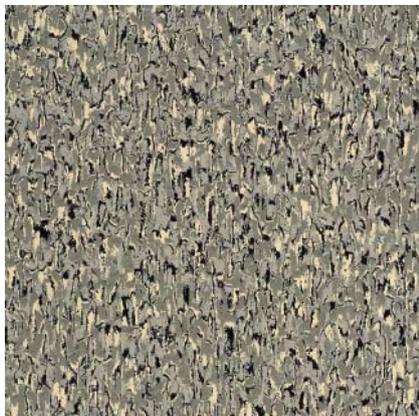
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# artoleum<sup>®</sup> graphic

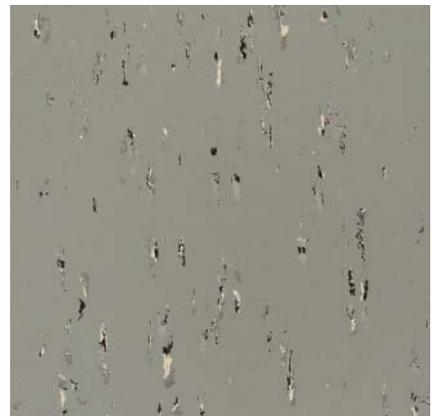
Artoleum Graphic's black, whites and greys add a twist to traditional interiors yet also work beautifully with contemporary surfaces.



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## We can do it all for you.

### Lindner Concepts:

- Insulation Engineering
- Clean Rooms and Laboratories
- Airports and Airlines
- Railways and Tunnels
- Studios and Concert Halls
- Interior Fit-out and Furnishings
- Cruise Liner and Ship Fit-out
- Hotels and Resorts
- General Contracting

### Lindner Products:

- Facades
- Steel & Glass
- Roofing Systems
- Ceiling Systems
- Lights and Lighting Systems
- Partition Systems
- Doors
- Floor Systems
- Heating and Cooling Technologies
- Dry Lining Systems

### Lindner Service:

- Green Building
- Deconstruction and Gutting
- Clearance of Harmful Substances
- Industrial Scaffolding
- Research and Development
- Delivery
- General Planning
- Installation
- Maintenance and Industrial Service
- Public-Private Partnership (PPP)

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