



Flooring brochure
CCF/SPC/LVT/WPC

FLOORING

Hainin Xinhuang Decoration Material CO LTD

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Mission

To Make Home Warm, To Make Business Appealing

Vision

To Be The World's Most Loved, Most Trusted, And Most Sustainable Flooring Partner

Core Values

Innovation
Efficiency
Integration

Located in Haining, **Zhejiang Lidu New Materials Co., Ltd.** was established in 2006 which manufactures a range of products in the building materials industry, such as wall panels, solar panels, aluminium panels etc.

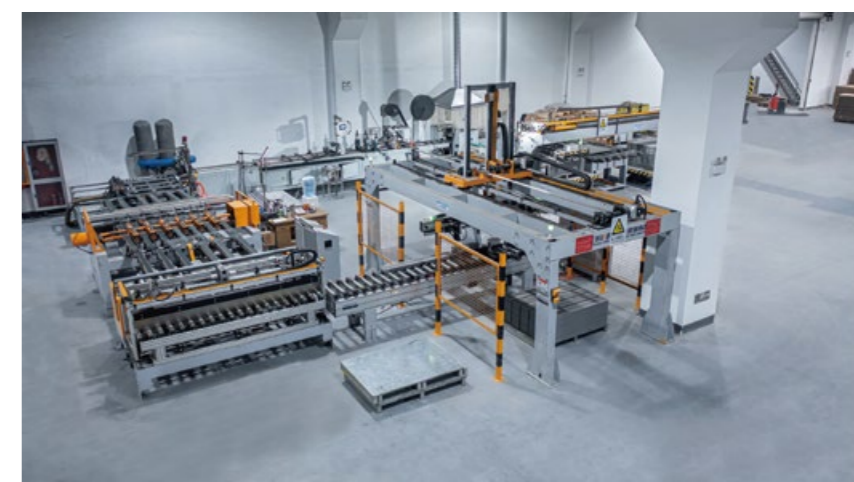
Lidu specializes in the development, design and manufacturing of innovative flooring products and accessories. Since 2006, it has invested in state of art production facility, covering a land-area of 120,000 square meters and 22 production lines with key equipments imported from Germany. The annual production capacity reaches 20 million square meters.

Besides the more common LVT, SPC and WPC products, Lidu also offers one of a kind innovative "Carbon Core Flooring" or "CCF". Thanks to the integrated carbon power, CCF flooring not only guarantees a stable performance, but offers unprecedented environmental and health benefits.

Lidu regards superior quality its top priority and ensures all the products pass strict inspection standards such as CE, A+, Floorscore. Our products are exported to more than 30 countries such as USA, Canada, Germany, France, UK etc.



FACTORY



Product Advantages



100% Waterproof

All product collections for gluing or clicking in are perfectly suitable for damp rooms, such as the kitchen or the bathroom.



Healthy and Safe

Non Formaldehyde and non toxic emissions to create a healthy indoor environment



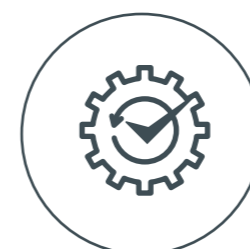
Quiet and Warm

The soft surface ensures a quiet room acoustics and the elastic surface guarantees a gentle and warm walking experience



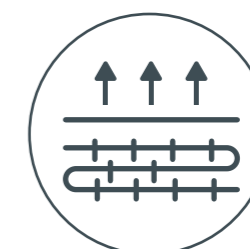
Easy Care

Thanks to the strong and sealed surface, all collections are stain and scratch resistant, making cleaning and maintenance an easy and pleasant task



Fast Installation

With globally recognized locking systems, such as Unilin Click and 5G, the click versions can be installed fast, simple, and reliable, making DIY installation an easy task.



Underfloor heating Suitable

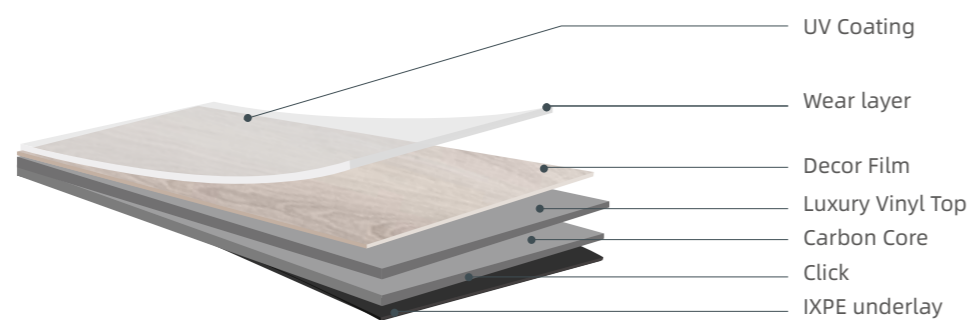
Thanks to the outstanding dimensional stability and non formaldehyde features, all collections can be installed on underfloor heating and introduces an extra sense of cosy warmth.



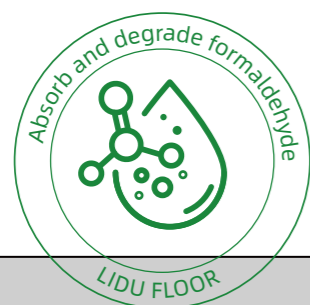
CCF-Carbon Core Flooring

Besides the more common LVT, SPC and WPC products, Lidu also offers one of a kind innovative "Carbon Core Flooring" or "CCF". Thanks to the integrated carbon power, CCF flooring not only guarantees a stable performance, but offers unprecedented environmental and health benefits.

■ CCF Product Composition



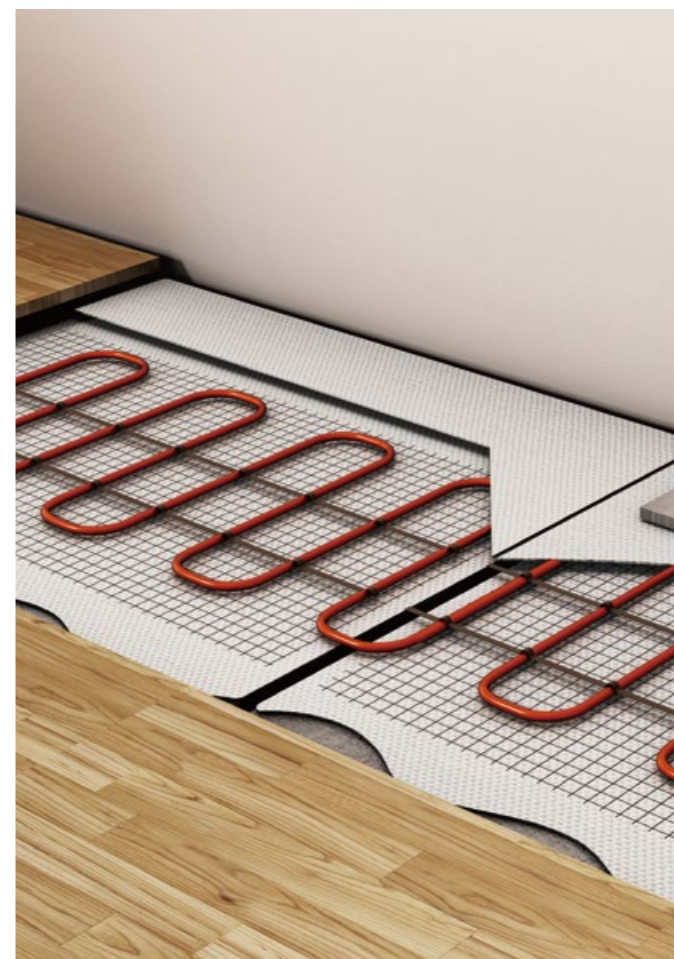
■ Unprecedented Health Benefits



Absorb and degrade formaldehyde

	Reduction in ppm	Percent reduction
Carbon Core Flooring	22.5	2.8%
Luxury vinyl Plank Flooring	0.0	0%
Stone Plastic Composite Flooring	0.0	0%
8 mm Laminate Flooring	0.0	0%

*TEST METHOD CONDUCTED:
Chamber Study for Formaldehyde Reduction based on ASTM D5116 and NIOSH 2016



► Ultra-high thermal conductivity

Super high thermal conductivity to save energy by floor heating

Purify the Air Release Negative Oxygen Ions



7000

Per Cubic Centimeter

Product Sizes

CCF-Plank



1220x178.8mm



1220x226mm



1524x178.8mm

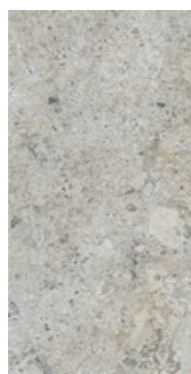


1524x226mm



1830x226mm

CCF-Tile



305x610mm



450x830mm



457x914mm

Technical Datasheet

CCF TECHNICAL DATA

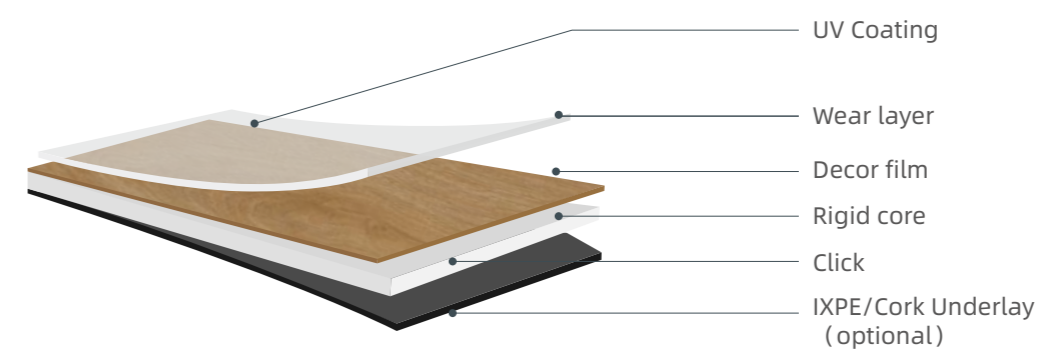
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Specification		6.7~12.0mm
Wearlayer		0.2/0.3/0.5/0.7mm
Density	EN430	0.9~1.1g/cm ³
Dimensional stability	ISO23999:2008	≤0.15% (72°C)
Curling	ISO23999:2008	≤1.5mm
Squareness	ISO24342:2018	≤0.1mm
Straightness	ISO24342:2018	≤0.1mm
Residual indentation	ISO24343-1:2007	≤0.1mm
Peel resistance	ISO24345:2006	65N/50mm
Impact Sound Improvement	ISO10140-3:2021	△Lw =21 dB
Impact Insulation Class	ASTM E492-09	62
Smoke Density	ASTM E662	Pass
Thermal resistance	EN12667:2001	0.098m ² K/W
Light stability	ISO105-B02:Method 3	≥6
Castor chair	EN425	25000R No damage
Reaction to fire	EN14041:2004	class Bf1-s1
Formaldehyde emission	EN14041:2004	class E1
Slip resistance	EN14041:2004	class D5
Anti-Slip Property	DIN51130: 2014-02	R10
VOC	ISO16000-3:2011	A+
SVHC	Reach No1907/2006	Pass
Heavy Metal	EN71-3	Pass
Phthalates	CPSC-CH-C1001-09.4	Pass
Determination of resistance to stains chemical resistance	ISO26987:2008/ ASTM F925	Resistant/ No Change
Formaldehyde Reduction	ASTM D5116/NIOSH 2016	Reduction in 22.5ppm, 2.8% after 24 hours
Negative Ion Concentration		7000/cm³



SPC Product Composition and Sizes

SPC is the most popular choice in the flooring industry. It not only comes in endless decor options, but also provides outstanding performance of being water-proof, rigid, dimensionally stable, and environmentally friendly. Thus it can be safely used in areas with sustained exposure to moisture, such as bathroom, laundry room and kitchen. SPC is suitable for commercial property but also for private customers, who appreciate resilient flooring in trendy designs.

■ SPC Product Composition



Product Sizes

SPC-Plank



1220x151mm



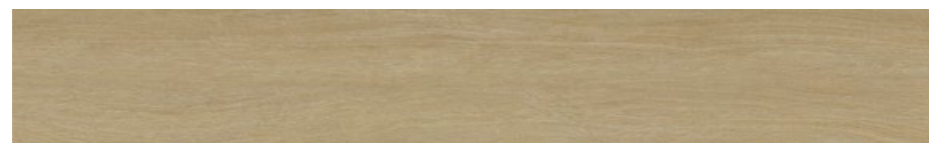
1220x183mm



1220x230mm



1524x183mm

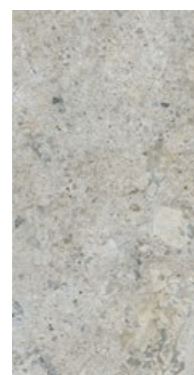


1524x230mm



1830x230mm

SPC-Tile



305x610mm



610x610mm



450x830mm



457x914mm

Technical Datasheet

SPC TECHNICAL DATA

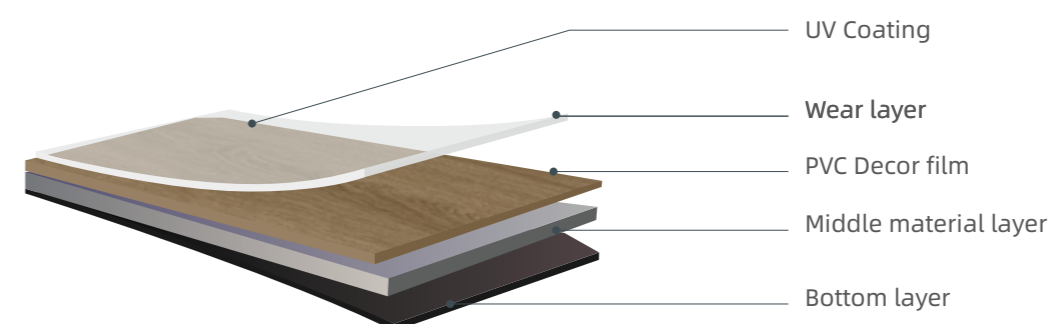
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Specification		3.2~10.0mm
Wearlayer		0.2/0.3/0.5/0.7mm
Density	EN430	1.95~2.1g/cm ³
Dimensional stability	ISO23999:2008	≤0.10%
Curling	ISO23999:2008	≤0.5mm
Squareness	ISO24342:2018	≤0.1mm
Straightness	ISO24342:2018	≤0.1mm
Residual indentation	ISO24343-1:2007	≤0.1mm
Peel resistance	ISO24345:2006	65N/50mm
Impact Sound Improvement	ISO10140-3:2021	△Lw =21 dB
Thermal resistance	EN12667:2001	0.041m ² K/W
Light stability	ISO105-B02:Method 3	≥6
Castor chair	EN425	25000R No damage
Reaction to fire	EN14041:2004	class Bf1-s1
Formaldehyde emission	EN14041:2004	class E1
Slip resistance	EN14041:2004	class DS
Anti-Slip Property	DIN51130: 2014-02	R10
VOC	ISO16000-3:2011	A+
SVHC	Reach No1907/2006	Pass
Heavy Metal	EN71-3	Pass
Phthalates	CPSC-CH-C1001-09.4	Pass
Determination of resistance to stains chemical resistance	ISO26987:2008	Resistant



LVT Product Composition and Sizes

The design flooring for gluing, with utilisation classes between 23 and 42, is always the right choice - for domestic areas as much as for public buildings or the light industrial sector. Product thicknesses of 1.5 mm to 3.0mm make it possible to install the design floor on virtually any technically adequate subsurface.

■ LVT Product Composition



Product Sizes

LVT-Plank



1227x156mm



1227x187mm



1227x238mm



1524x187mm



1524x238mm

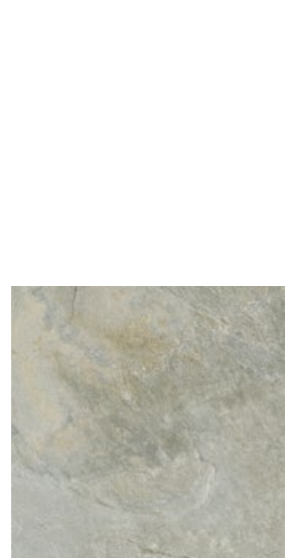


1840x238mm

LVT-Tile



305x305mm



457x457mm



305x610mm



457x914mm

Technical Datasheet

LVT TECHNICAL DATA

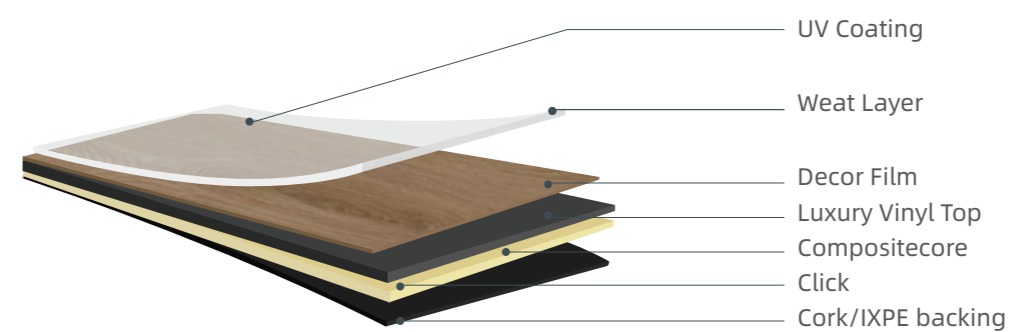
Test Name	Test Standard	Test Result
Specification		1.5~3.0mm
Wearlayer		0.2/0.3/0.5mm
Density	EN430	1.85~2.05g/cm ³
Dimensional stability	ISO23999:2008	≤0.15%
Curling	ISO23999:2008	≤1.2mm
Squareness	ISO24342:2018	≤0.1mm
Straightness	ISO24342:2018	≤0.1mm
Residual indentation	ISO24343-1:2007	≤0.1mm
Peel resistance	ISO24345:2006	65N/50mm
Impact Sound Improvement	ISO10140-3:2021	△Lw =21 dB
Thermal resistance	EN12667:2001	0.075m ² K/W
Light stability	ISO105-B02:Method 3	≥6
Castor chair	EN425	25000R No damage
Reaction to fire	EN14041:2004	class Bf1-s1
Formaldehyde emission	EN14041:2004	class E1
Slip resistance	EN14041:2004	class DS
Anti-Slip Property	DIN51130: 2014-02	R10
VOC	ISO16000-3:2011	A+
SVHC	Reach No1907/2006	Pass
Heavy Metal	EN71-3	Pass
Phthalates	CPSC-CH-C1001-09.4	Pass
Determination of resistance to stains chemical rsistance	ISO26987:2008	Resistant



WPC Product Composition and Sizes

WPC is a collection of Acoustic Vinyl CompositeCore click product, which is a new revolution of LVT. It is an engineered flooring product that consists of a LVT top layer, compositecore and backing with click system. With vinyl on top, it provides a durable and resilient performance; Compositecore is an extruded layer which is waterproof with excellent dimensional stability; and cork backing ensures superior sound insulation performance.

■ WPC Product Composition



Product Sizes

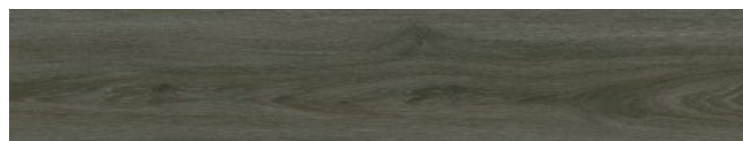
WPC-Plank



1220x151mm



1220x183mm



1220x230mm



1524x183mm

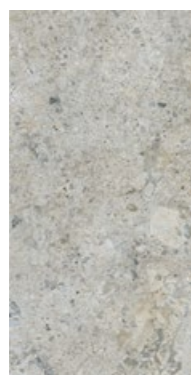


1524x230mm



1830x230mm

WPC-Tile



305x610mm



450x830mm



457x914mm

Technical Datasheet

WPC TECHNICAL DATA

Test Name	Test Standard	Test Result
Specification		5.5~10.0mm
Wearlayer		0.2/0.3/0.5/0.7mm
Density	EN430	0.9~1.1g/cm ³
Dimensional stability	ISO23999:2008	≤0.20% (72°C)
Curling	ISO23999:2008	≤1.5mm
Squareness	ISO24342:2018	≤0.1mm
Straightness	ISO24342:2018	≤0.1mm
Residual indentation	ISO24343-1:2007	≤0.1mm
Peel resistance	ISO24345:2006	65N/50mm
Impact Sound Improvement	ISO10140-3:2021	△Lw =21 dB
Thermal resistance	EN12667:2001	0.098m ² K/W
Light stability	ISO105-B02:Method 3	≥6
Castor chair	EN425	25000R No damage
Reaction to fire	EN14041:2004	class Bf1-s1
Formaldehyde emission	EN14041:2004	class E1
Slip resistance	EN14041:2004	class DS
Anti-Slip Property	DIN51130: 2014-02	R10
VOC	ISO16000-3:2011	A+
SVHC	Reach No1907/2006	Pass
Heavy Metal	EN71-3	Pass
Phthalates	CPSC-CH-C1001-09.4	Pass
Determination of resistance to stains chemical resistance	ISO26987:2008	Resistant



LD 1101601



LD 1101602



LD 1101603



LD 1101604



LD 1101605



LD 1101606



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LD 1101608



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LD 1101609



LD 1101610



LD 1101611



LD 1101616



LD 1101617



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LD1102801



LD1102811



LD1102901



LD1102903



LD1102904



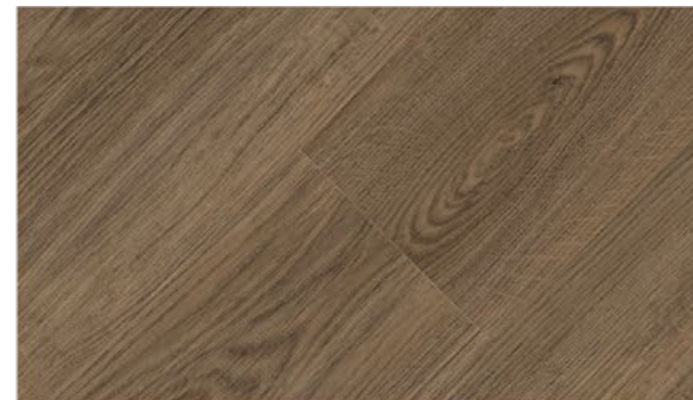
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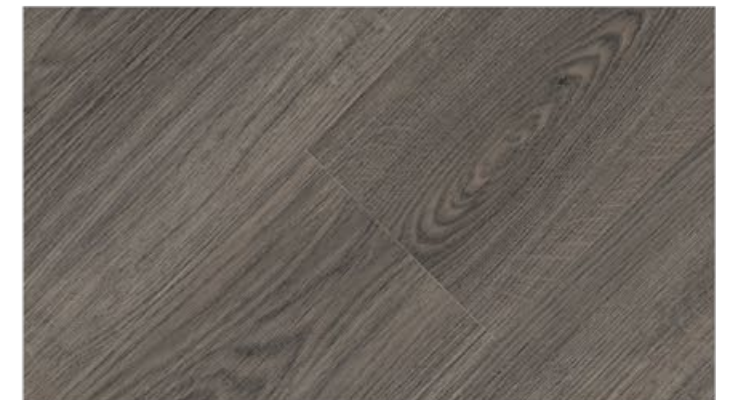
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LD 1103102



LD 1103103



LD 1103104



LD 1103105



LD 1103120



LD 1103121



LD 1103102



LD110201

Pattern Repeat Length:1220mm

38



LD1102501



LD1102510



LD1102511



LD1102512



LD1102513



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LD1102518



LD1102703



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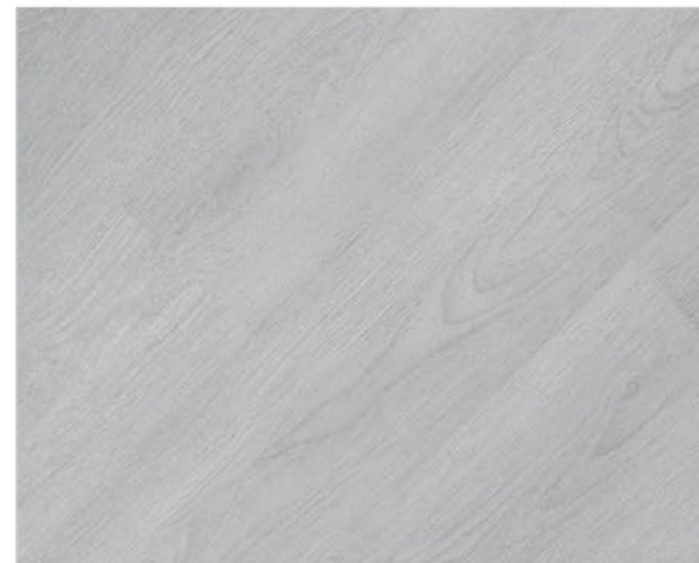
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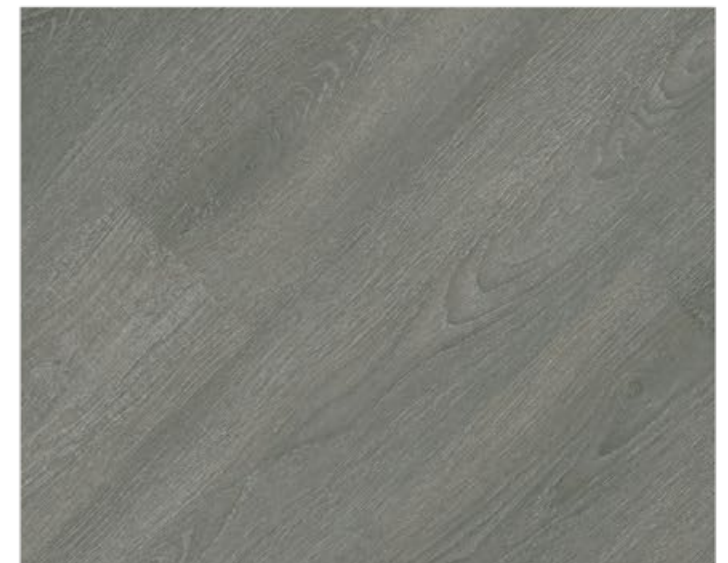
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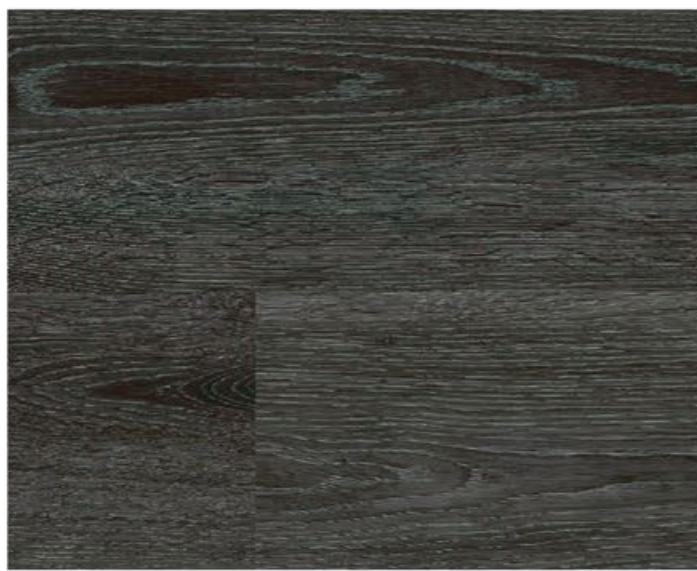
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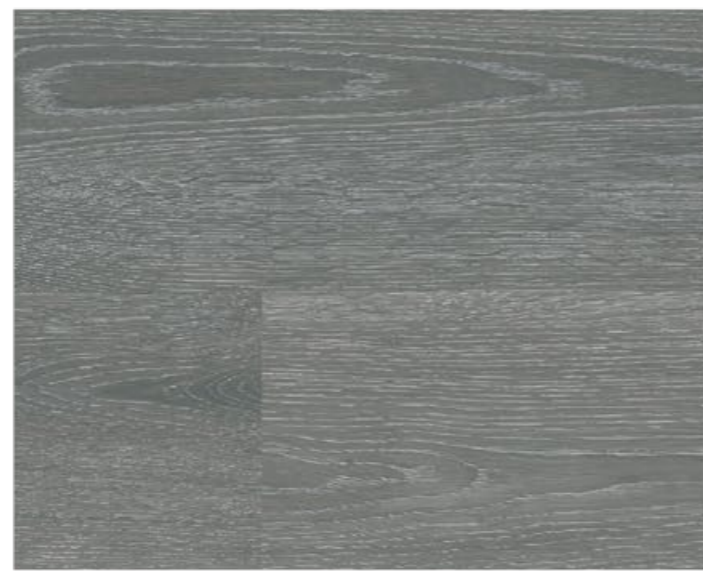
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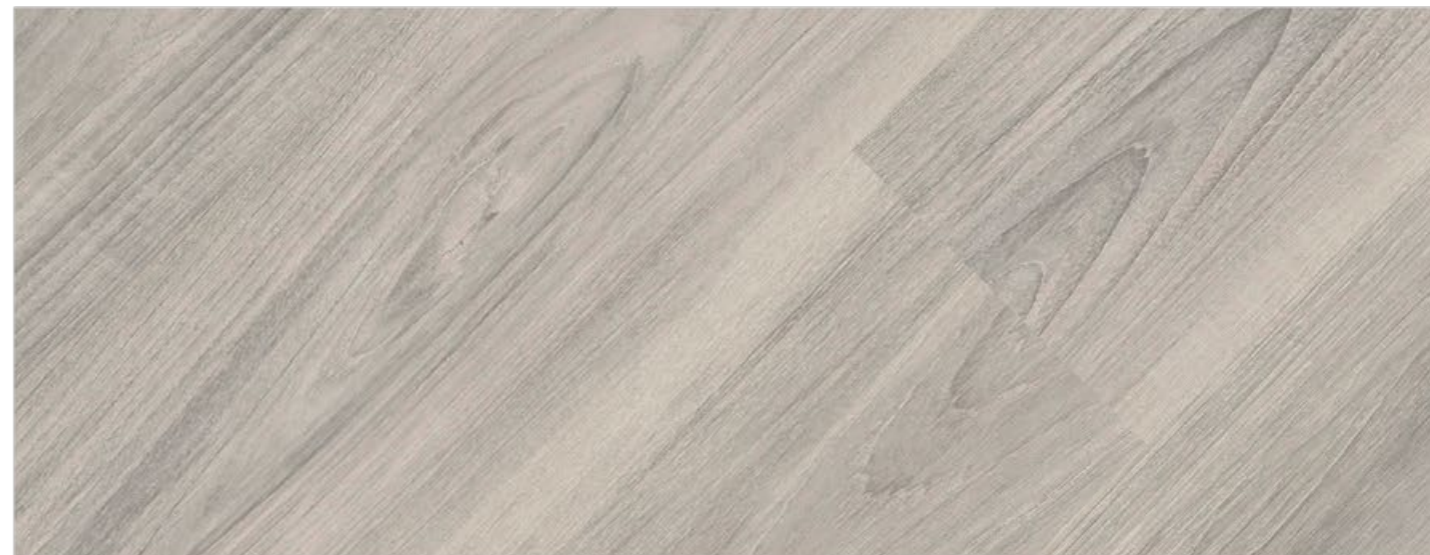
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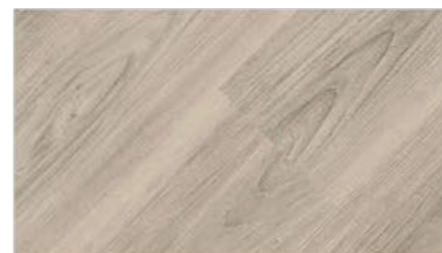
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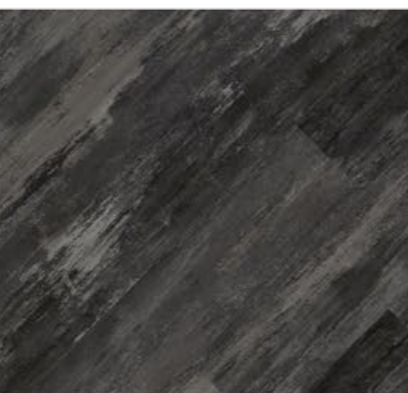
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LD1104903



LD1105001



LD1103004



LD1103007



Pattern Repeat Length:1524mm



LD 1205001



LD 1205003



LD 1205004



LD 1205005



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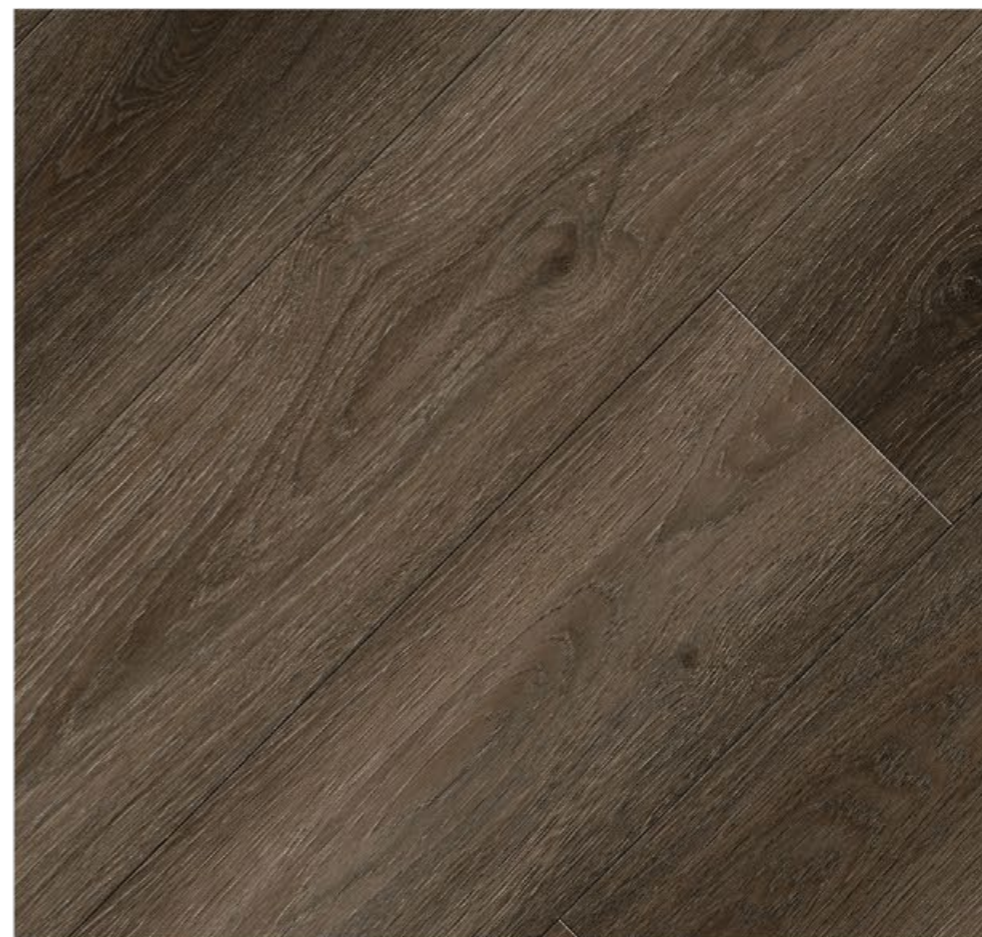


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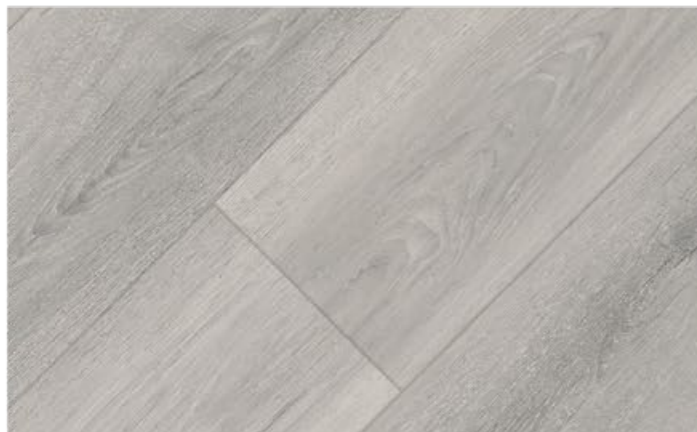
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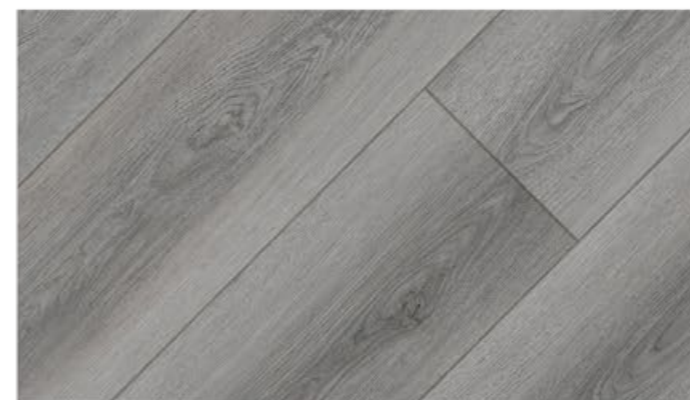
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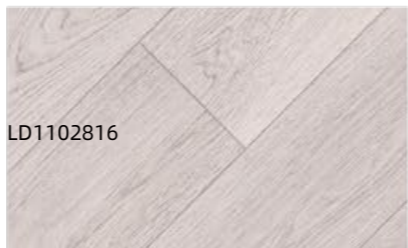
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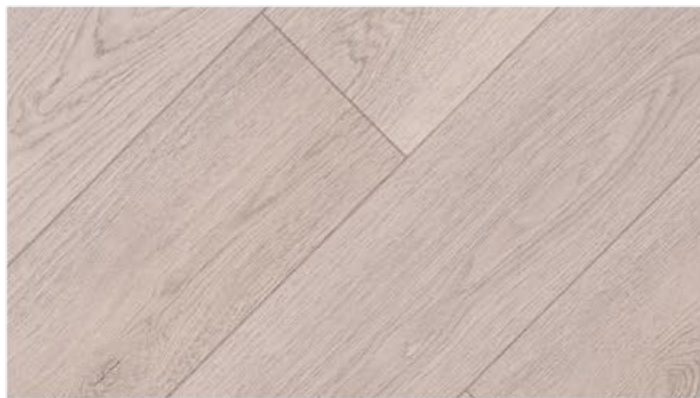


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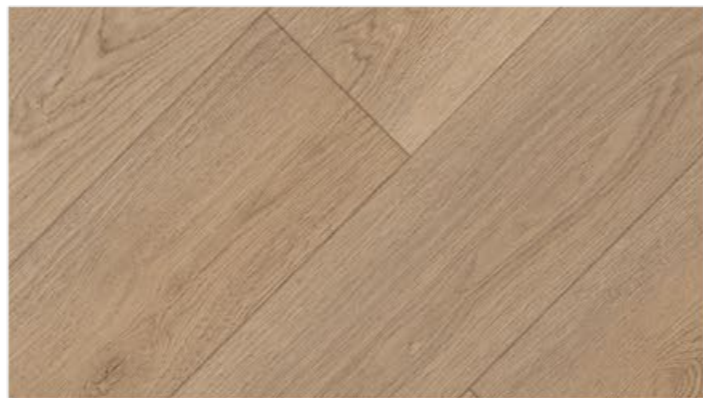
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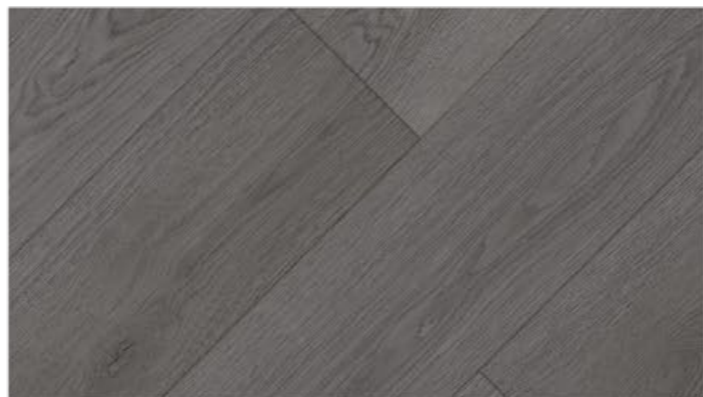
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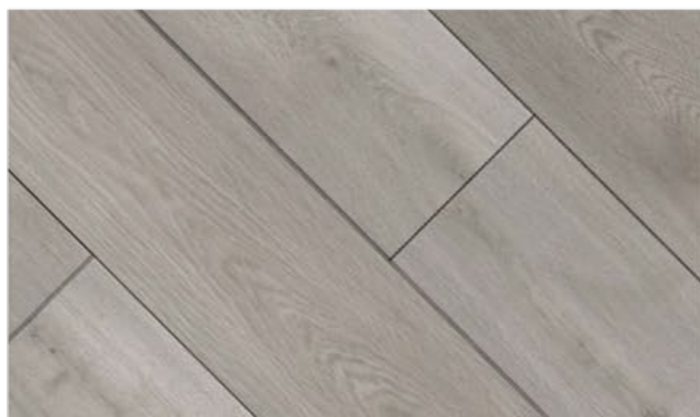
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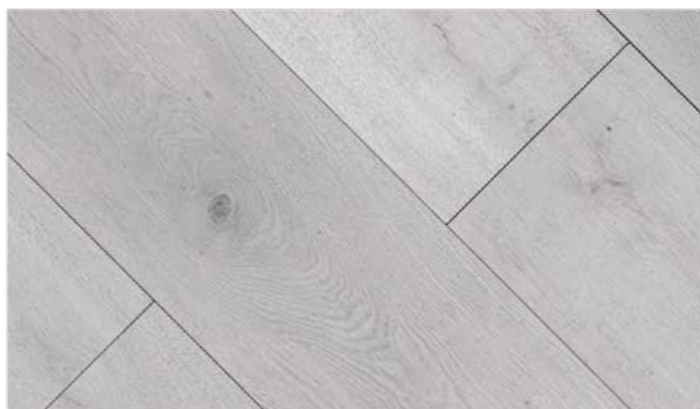
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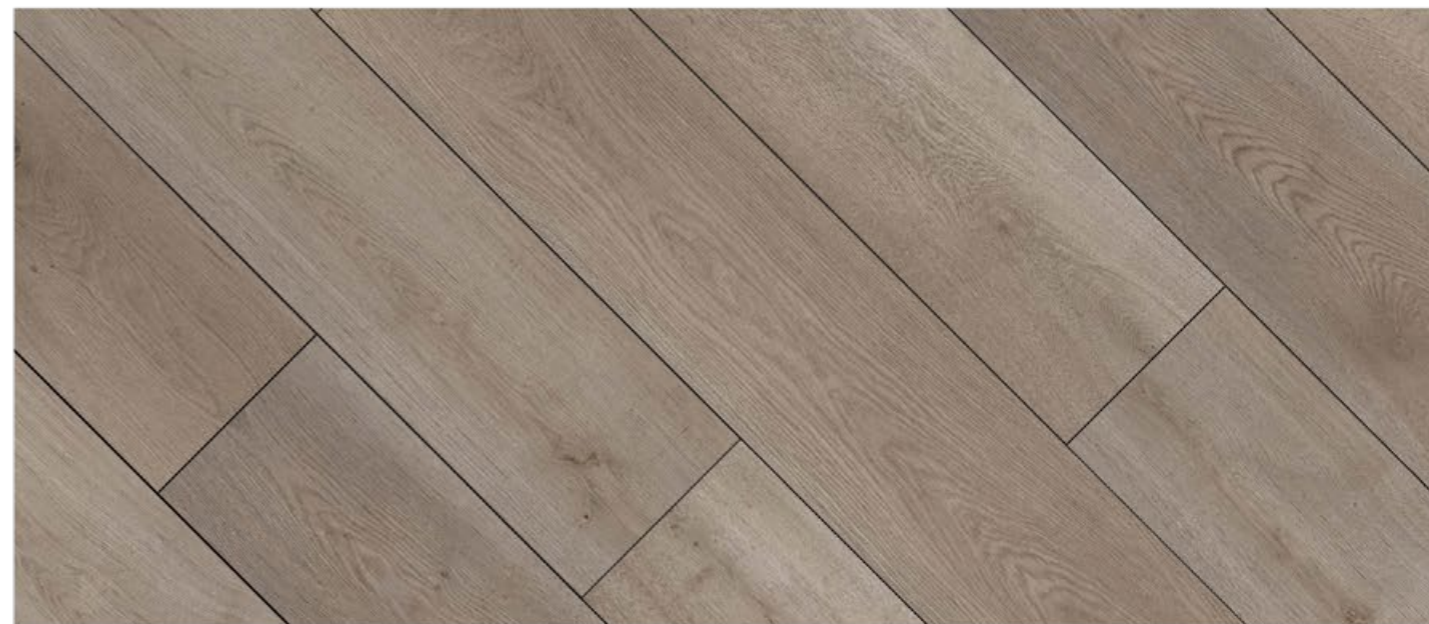
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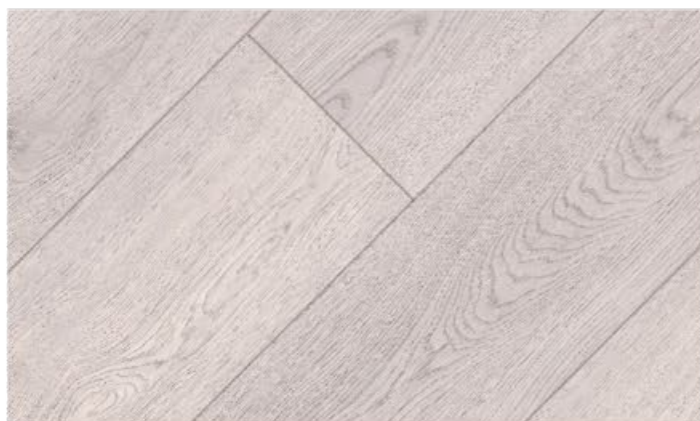
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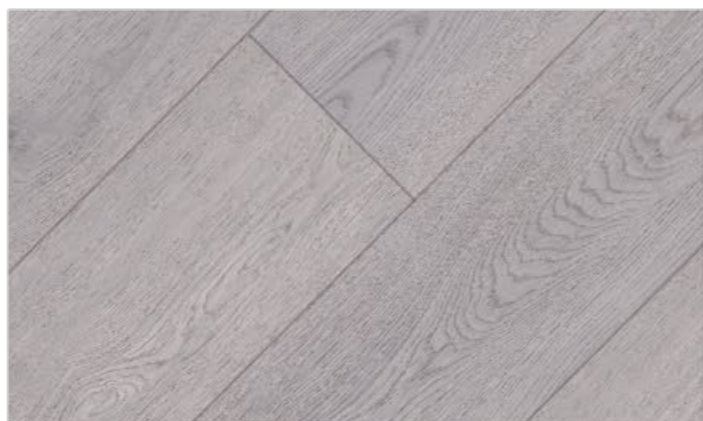
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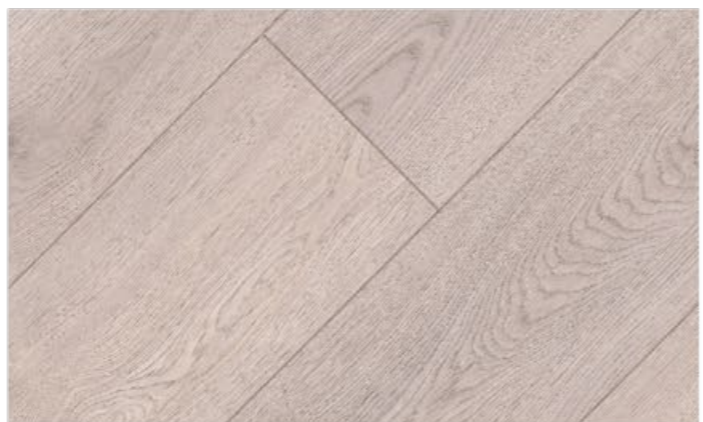
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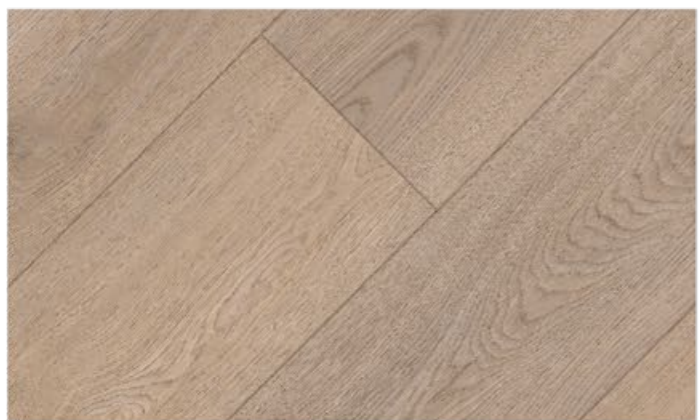
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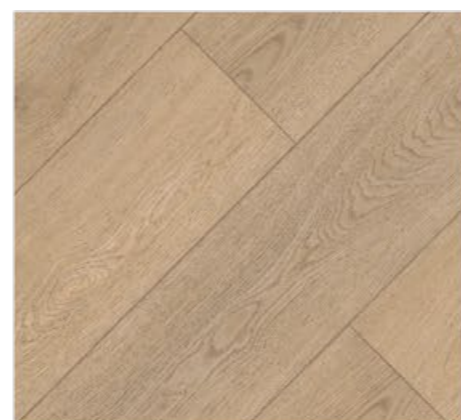
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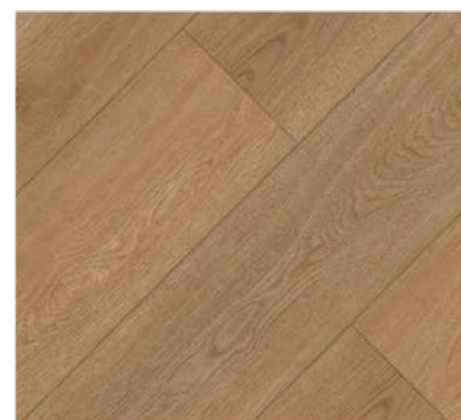
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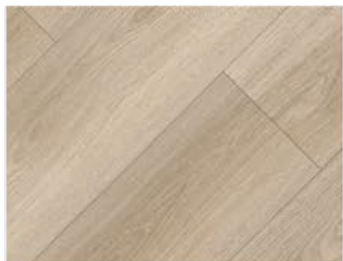
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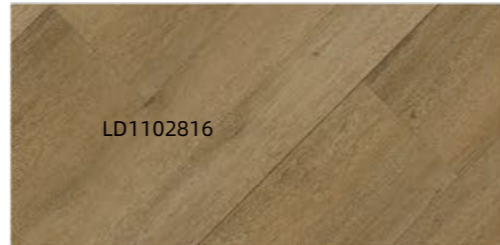
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Stone Designs

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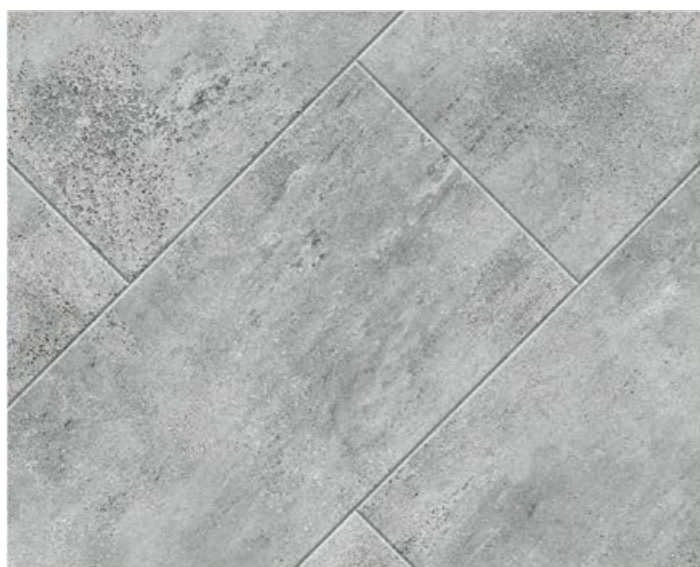
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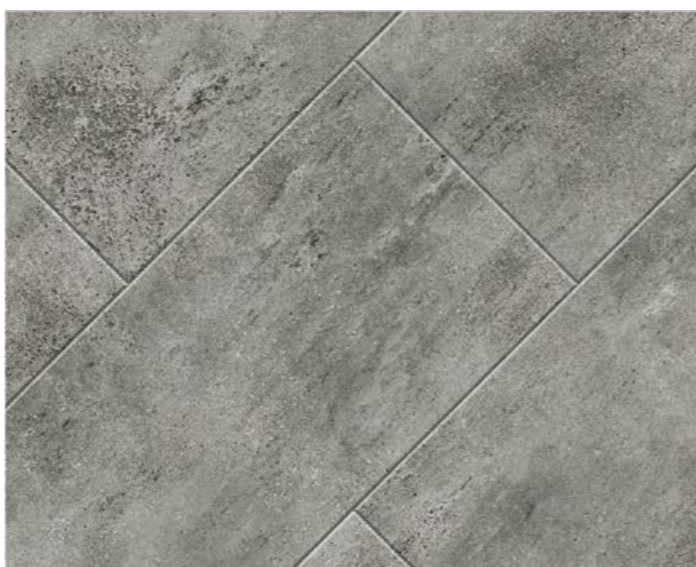
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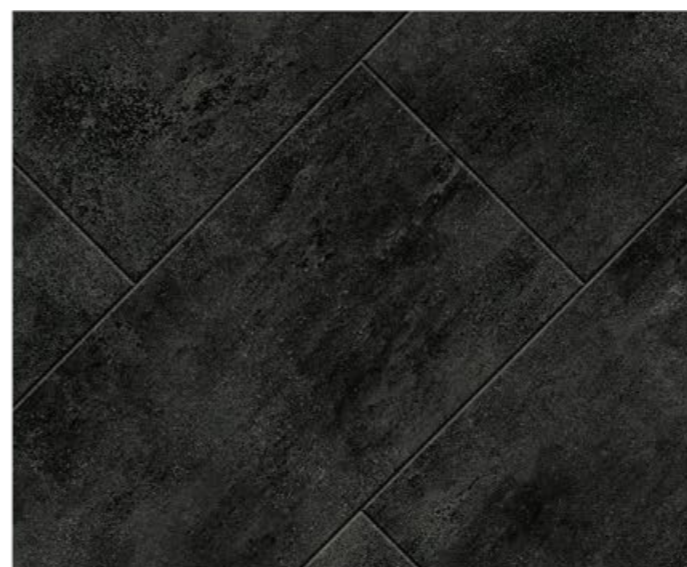
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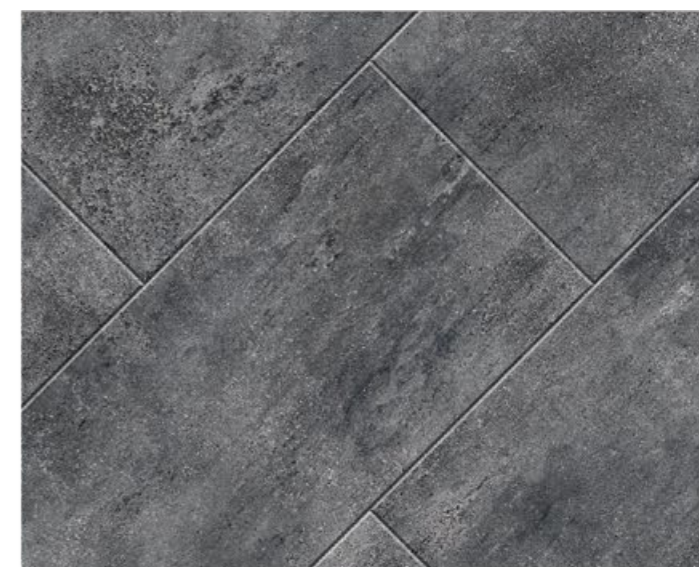
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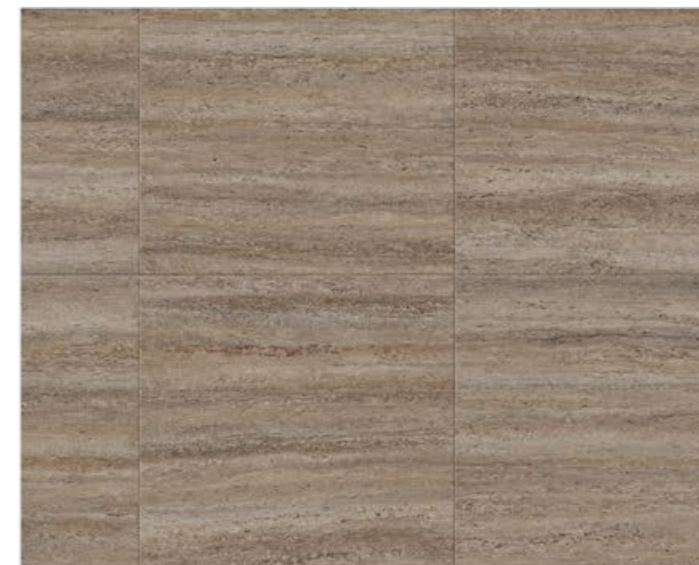
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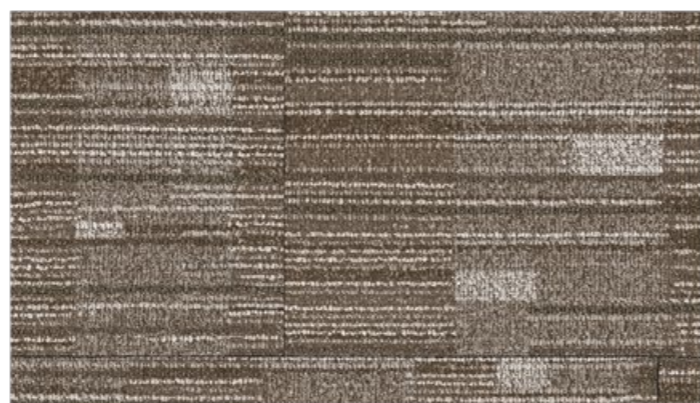
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LD0103101



LD0103102



LD0103201



LD0103204



LD0103208



LD0103204

Mouldings

We offer not only customized flooring, but also the perfect fit PVC accessories.

T-Moulding

T-moulding is used when transitioning between two floors of equal height, streamlining the flow of the flooring used.

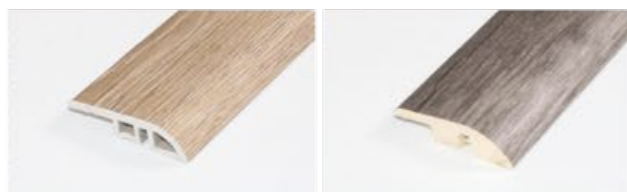


SPC T-moulding

WPC T-moulding

Reducer

Reducer is used when two floor levels of slightly different thicknesses come together, such as an SPC floor and a wood, vinyl, ceramic or low-pile carpet floor.

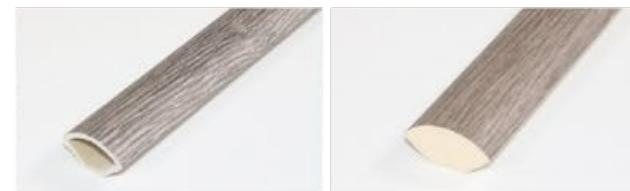


SPC Reducer

WPC Reducer

Quarter Round

The rounded shape creates a subtle blend between the floor and the wall and it can be used the same way as a skirting.



SPC Quarter Round

WPC Quarter Round

Skirting Board

Skirting borders the SPC floor at the base of the wall to give the room a finished look.

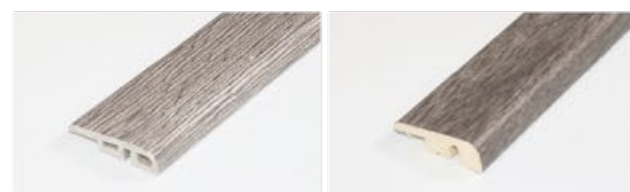


SPC Skirting

WPC Skirting

End Cap

End-Cap is used as a transition between different floor types, which is meant as a floor finish and also to protect the edge of SPC flooring.



SPC End Cap

WPC End Cap

Stair Nose

The stair nose profile provides for proper transitioning at the edge for all the steps on a staircase or platform.



SPC Stairnose

WPC Stairnose

