

砿工石造  
BENTU SURFACE

A Concrete Architectural Surface Series from BENTU



## 砼工石造

诞生于混凝土设计品牌本土创造的跨界实验。本着对世界的好奇和“万物平等”的物质关怀，一群捣鼓水泥的人，想要重新定义建筑材料在人居空间中的价值。在感觉、温度、质地、颜色中感知，在艺术与工艺中探索，让材料回归其本质。

设计品牌本土创造成立于 2011 年，作为一个极具实验性、探索性，无界限、跨界多产独立设计品牌，从事产品创新研发和设计。设计团队致力于以设计为基本手段，通过一系列的实验探索更多可能，让不同的材质回归它的本质，还原它的独特肌理，成为符合日常生活需求的产品。

## 材料概念

清水混凝土的一体成型对其生产工艺有极高的要求，容易受到温度、湿度等环境因素的影响，但与生俱来的厚重与清雅比起一般材料更能表达出建筑空间的情感。我们坚持用这种任性难把控的材料，坚持拒绝一切后期处理，坚持一体出模达到光洁平整，棱角分明精确的品质。很难，只因水泥很美。

在材料使用上，我们以回收粉碎的废弃瓷砖或拆迁混凝土建筑废渣为骨料，混合超高性能混凝土一体浇筑而成。

在性能上，高密度混凝土的特性使产品抗渗耐污，更易清洁。在环境影响方面，产品在生产过程中自然凝结，避免了烧制，能减少扬尘与用水污染，做到生产过程的环保最大化。而每个产品的投入使用，意味着当中 50% 的废弃材料真正实现回收利用。让产品渗透在日常生活的一处，我们想为这个地球做得更多。

## 奖项

2015 EDIDA ELLE Deco 国际设计大奖，Elle Decoration 中文版《家居廊》

“伞”混凝土墙砖，最佳墙面设计奖

2017 德国 IF 设计大奖，汉诺威工业设计论坛

“六”混凝土墙砖，织品、墙面与地板类别设计奖

2017 德国红点设计大奖，德国红点设计博物馆

“影”混凝土墙砖，材料与表层处理类别，最佳产品设计奖

2018 意大利 A' 工业设计大奖，意大利 OMC Design Studios

“影”混凝土墙砖，银奖

2018 家具与灯具设计十佳榜，加拿大 Azure 杂志

“失体”项目，最佳再生设计



## BENTU SURFACE

BENTU SURFACE grew out of the crossover experiments designed and performed by concrete design brand BENTU. With the curiosity towardts the world and the equal care for all—all the raw materials, techniques and cultures that make up things, a group of people who fiddle with concrete would like to redefine the value of building materials upon living space. By perceiving the feelings, temperature, textures, colors of materials and exploring the arts and techniques, we make each material return to its nature.

BENTU is an independent design brand founded in 2011. We're engaged in product design and innovation, combining design with manufacture. We're an experimental, explorative, and cross-over team. Based on our design, we make products that meet our daily need. Through a series of experiments and exploration, we make each material return to its nature by revealing its original texture.

## MATERIAL CONCEPT

The integral molding of Fair-faced Concrete requires superior techniques as it can be easily affected by temperature, humidity and other surrounding factors. But the profundity and elegance of Fair-faced Concrete are much more capable of conveying the emotion of architectures than any other general materials.

We persist in using this hard-to-control material to produce high quality products with spotless flat surface and distinct edges and corners. This process requires us to pour and remove the concrete in and out of mould for one time in order to get a product in one piece. It's very difficult, but we won't stop, for the simple reason that concrete is beautiful.

In term of the materials, we use Ultra High Performance Concrete aggregated with recycled discarded ceramics tiles or demolition leftover concrete and produce with integrated mold.

In term of the performance, Ultra High Performance Concrete is antifouling and resistant to infiltration, and green as cleaning it requires less water. It is naturally condensed through the process instead of firing. What have done on the product had minimized the water consumed and gaseous pollutant produced, and made our best effort toward environmental protection. Wasted material takes up 50% of each our product and is truly being recycled while one product is being used. We want our products made of such material spread to everywhere we could reach so we can do more for our world.

## AWARDS

2015 Elle Decoration China Design Awards, by Elle Decoration China

San Concrete Tiles, The Best Wall Covering Design

2017 iF Design Award, by iF Industrie Forum Design

Six Concrete Tiles, Textiles, Wall and Floor Category, Winner

2017 Red Dot Award:Product Design, by Red Dot Design Museum, Germany

Shadow Concrete Tiles, Material&Surface Design Category, Best of the Best

2018 A Design Award, by OMC Design Studios

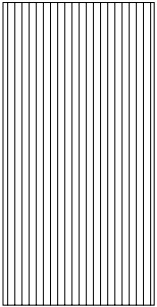
Shadow Concrete Tiles, Bentu, Silver Award

10 Best Furniture and Lighting Products of 2018, Azure Magazine, Canada

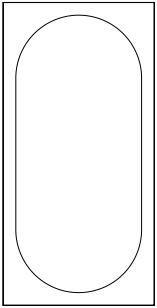
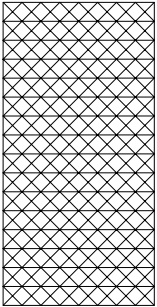
Wreck Project, Best Upcycled Design



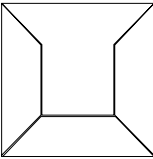
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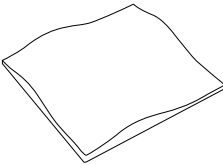
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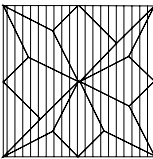
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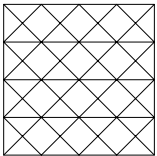
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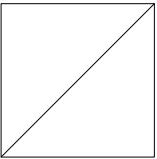
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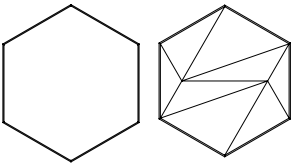
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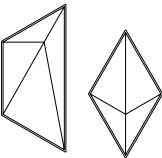
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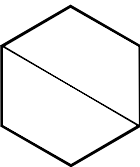
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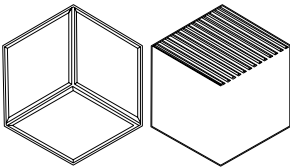
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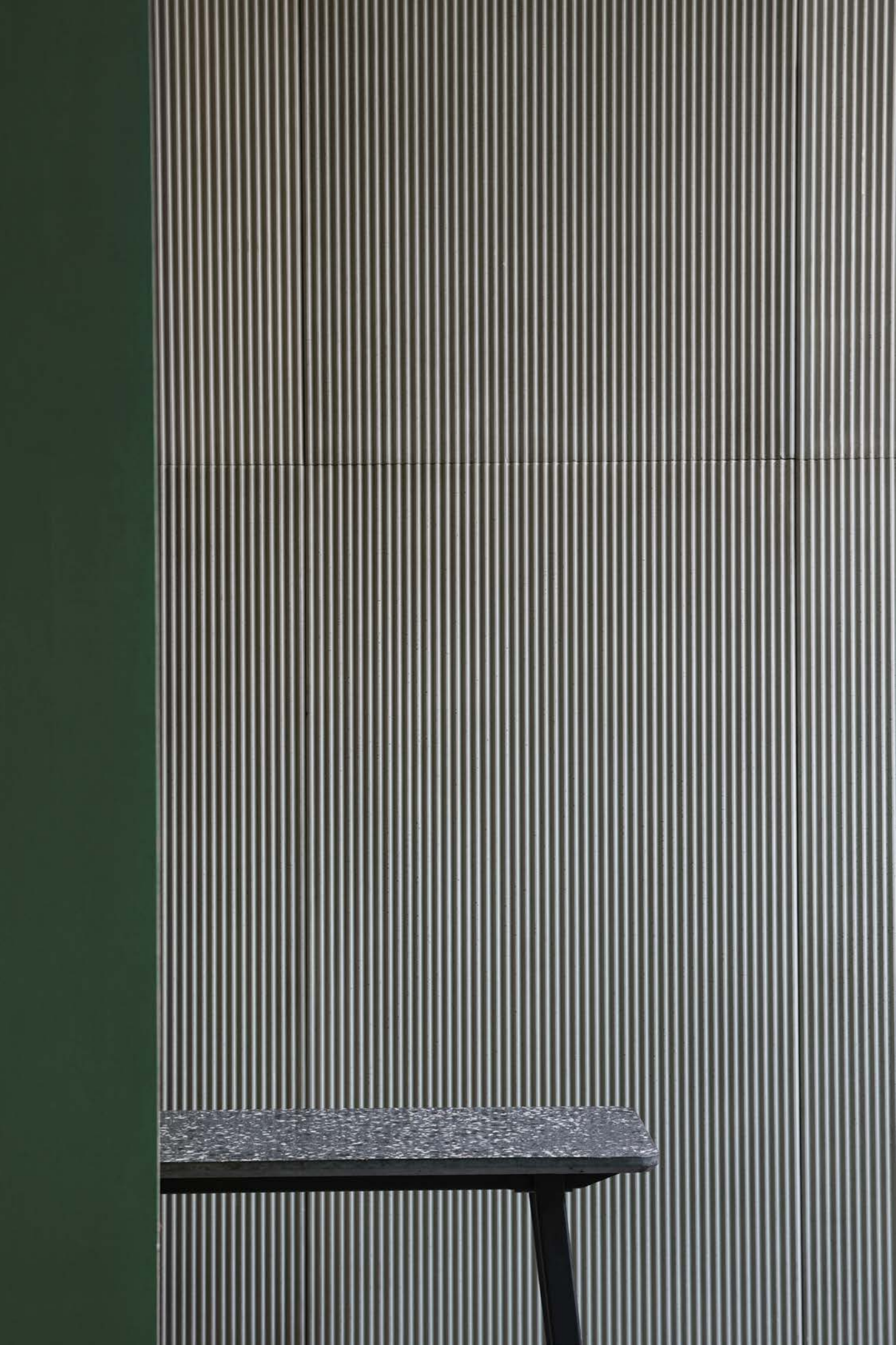
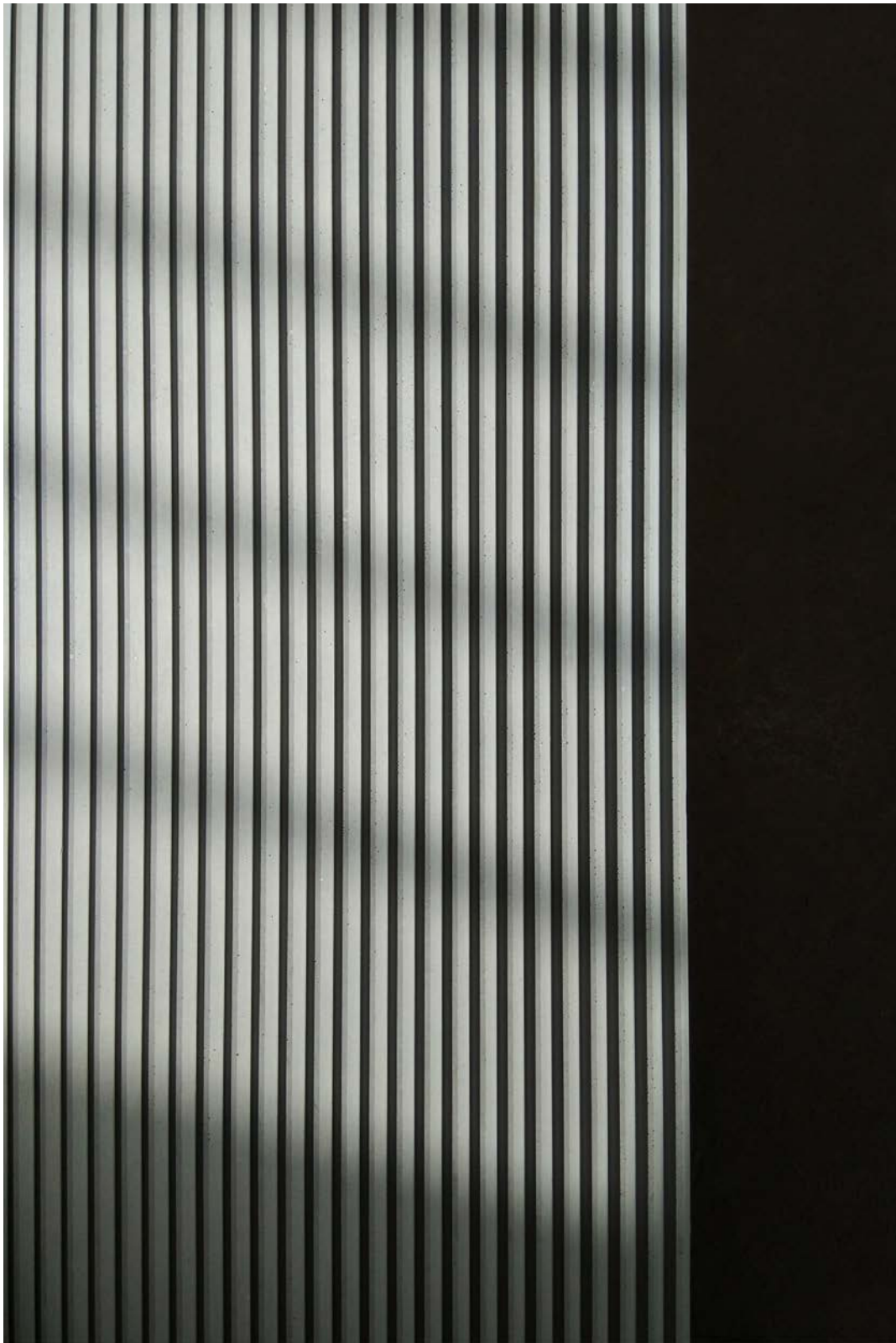


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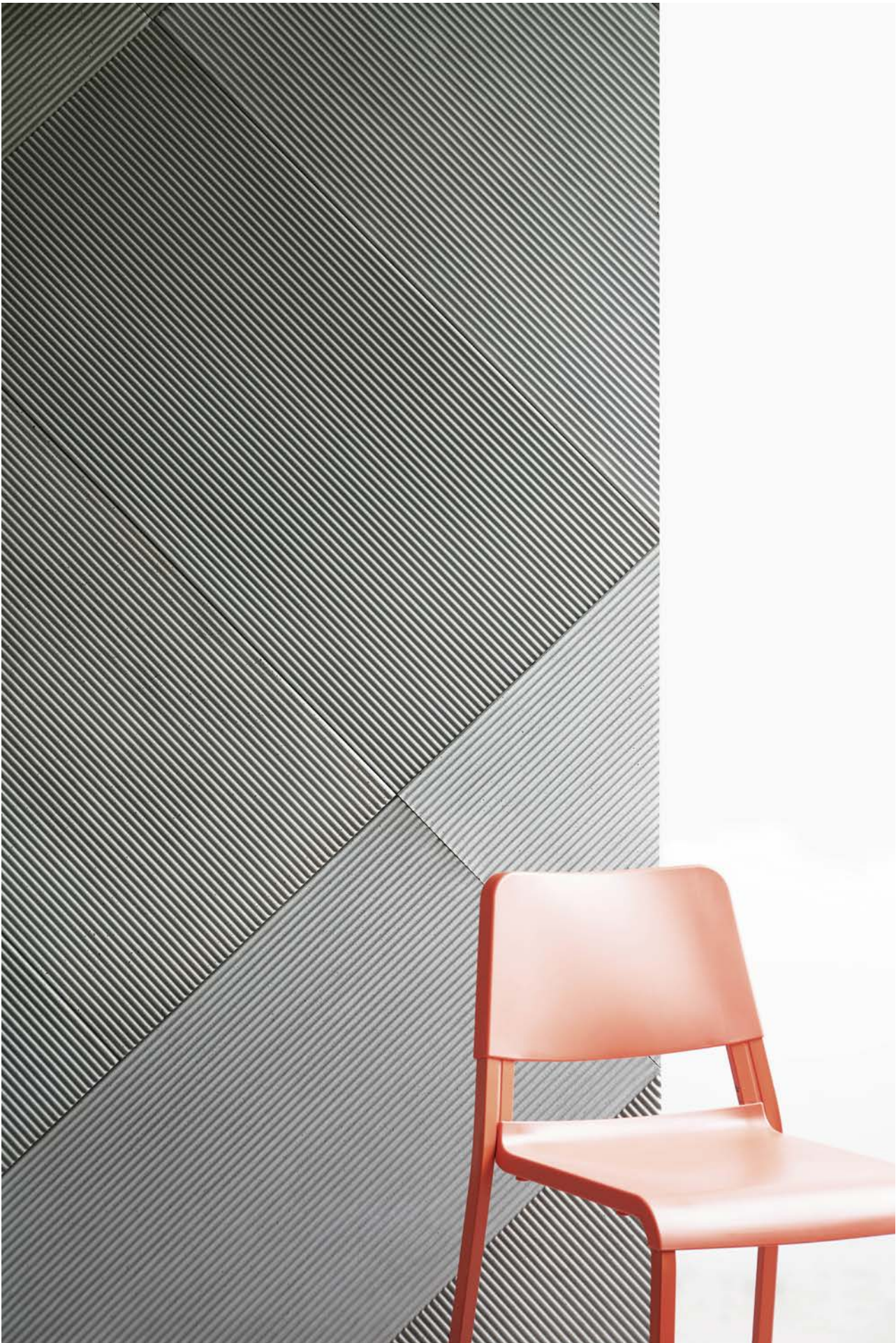




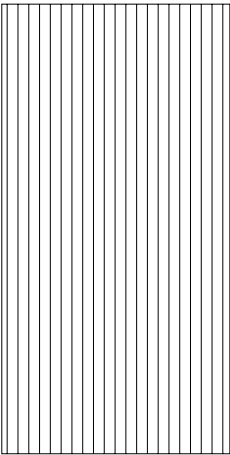












墙砖 · 条

材质：混凝土、建筑废渣骨料

尺寸：1200×600×H13 mm

重量：15 kg

面积：0.72 平方米 / 块 1.38 块 / 平方米

颜色：灰白 / 灰

Decorative wall tiles · tiao

Material: Concrete, Demolition leftover concrete

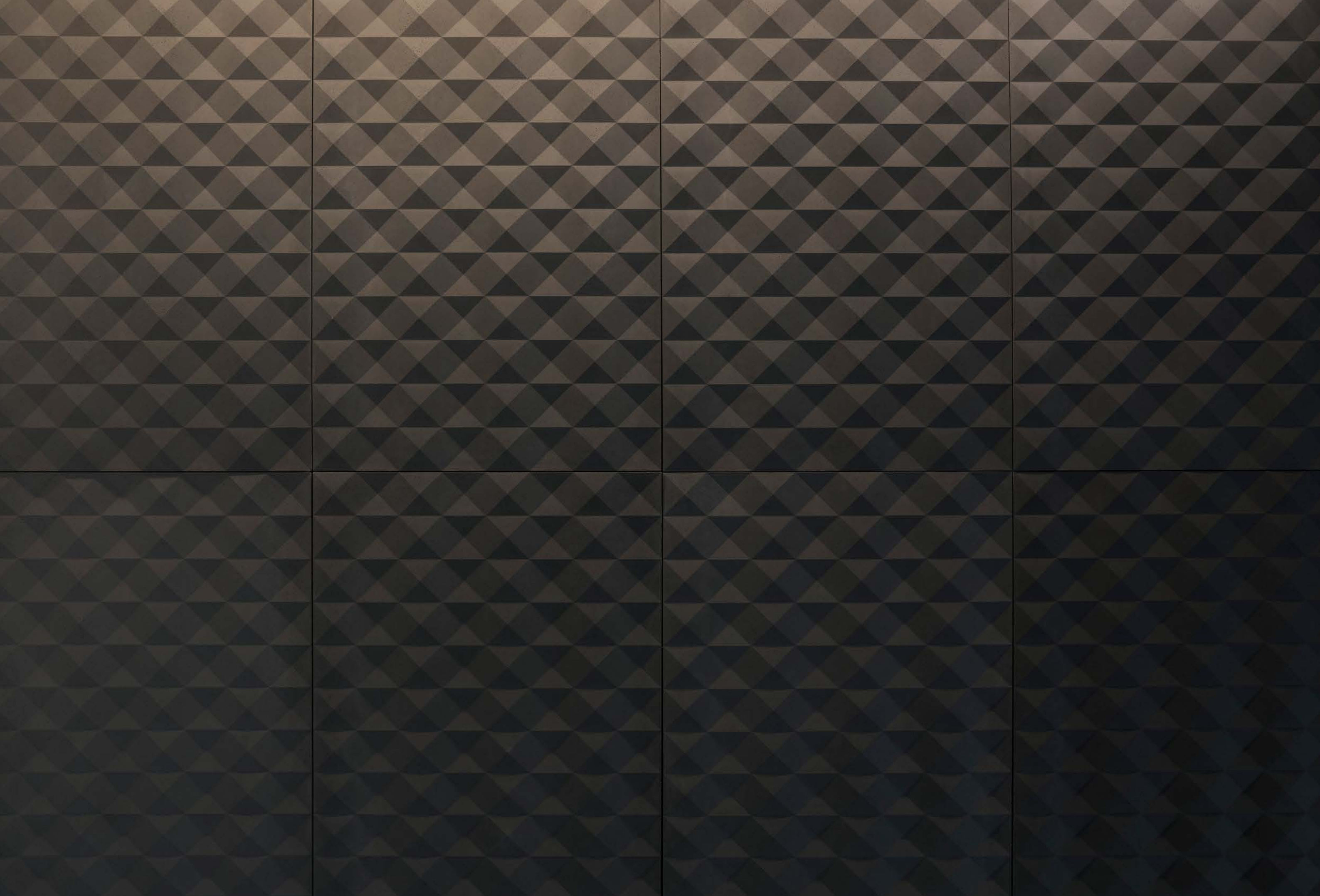
Size: 1200×600×H13 mm

Weight: 15 kg

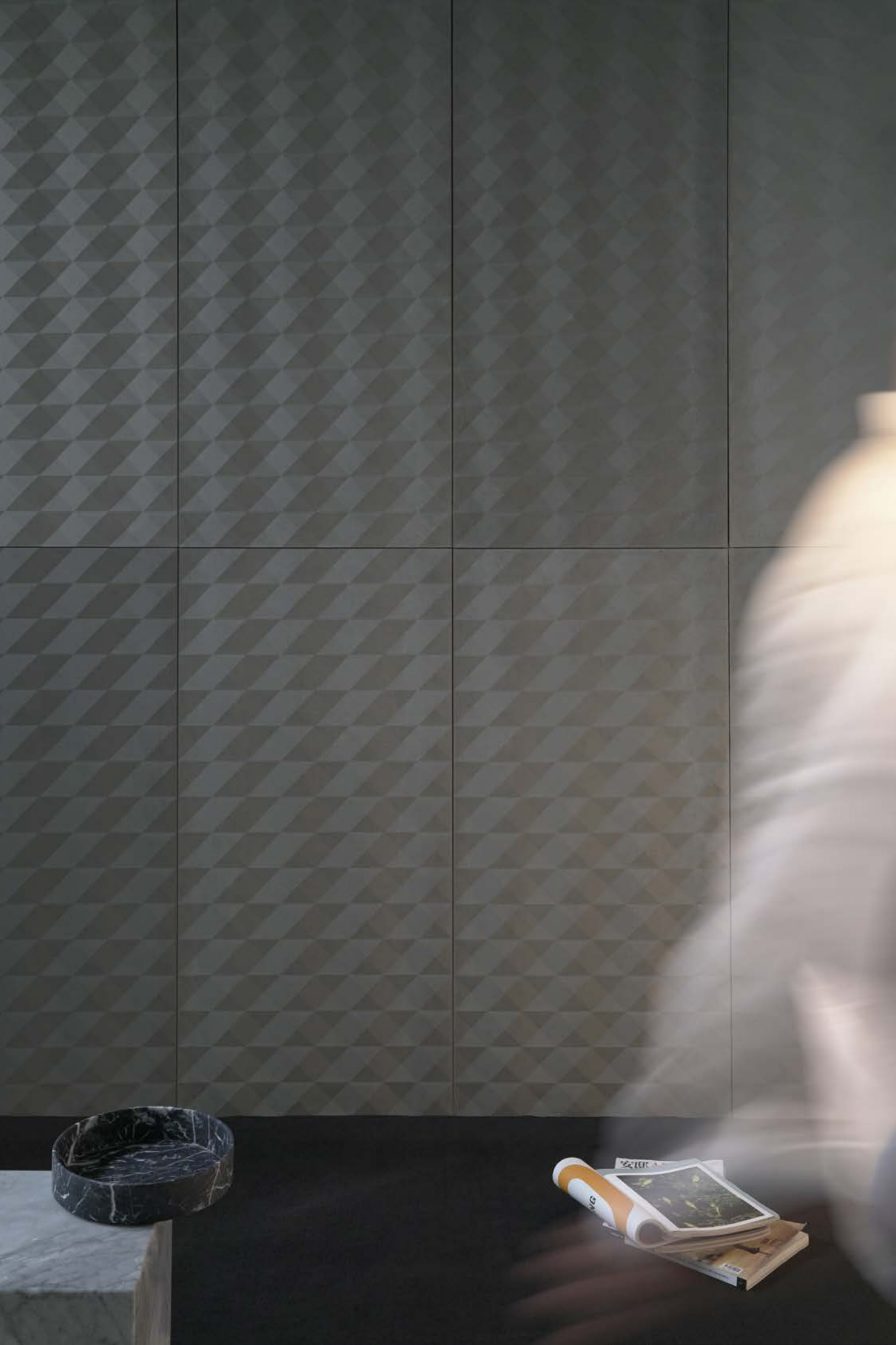
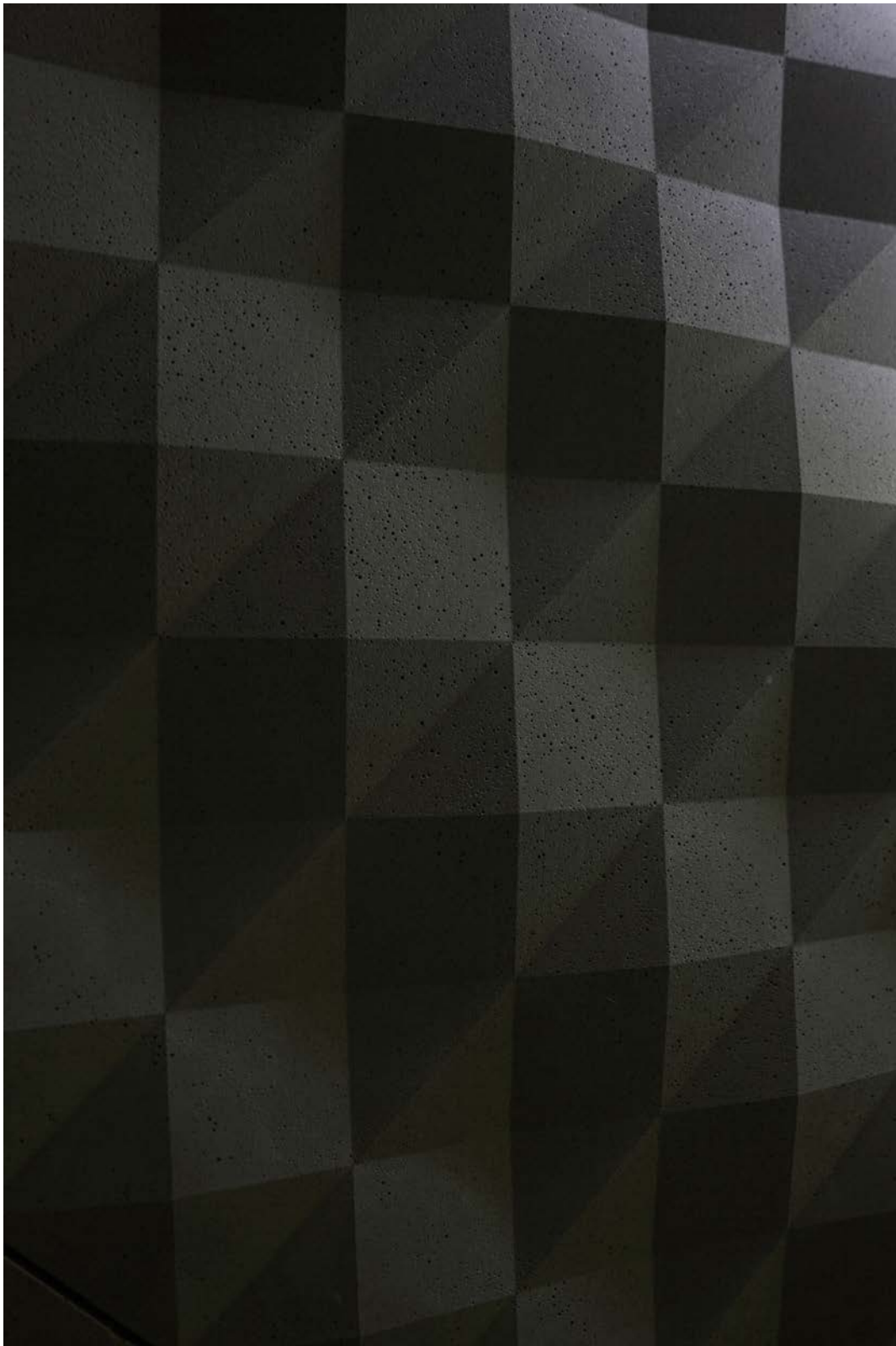
Area: 0.72 m<sup>2</sup> /pcs 1.38pcs/ m<sup>2</sup>

Color: Grey white / Grey





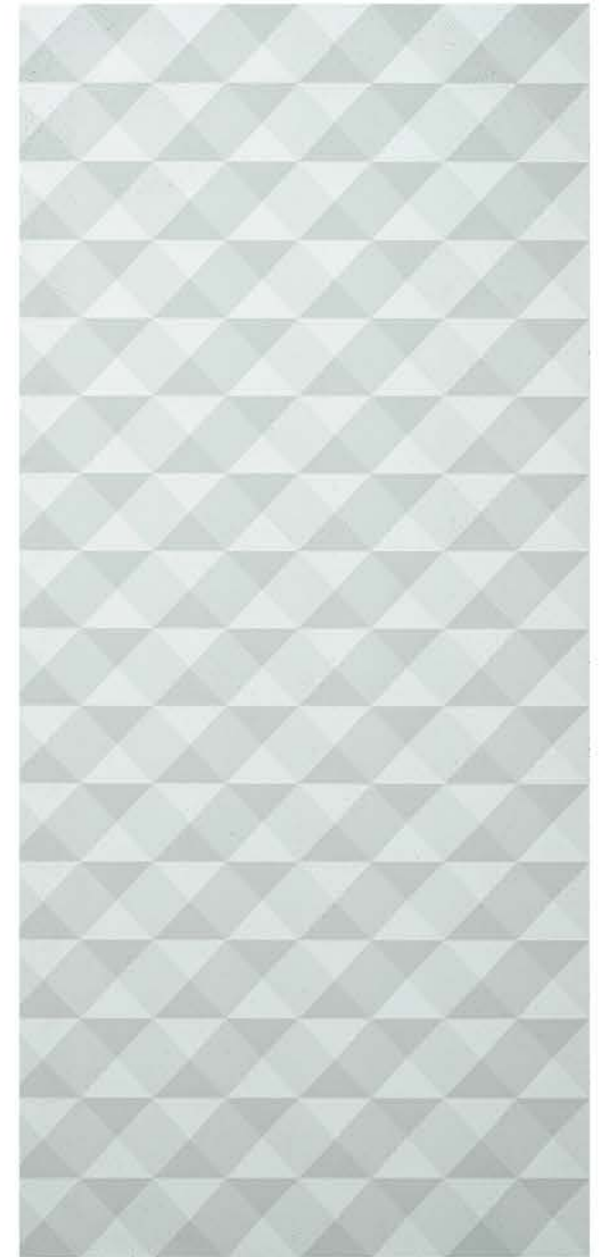
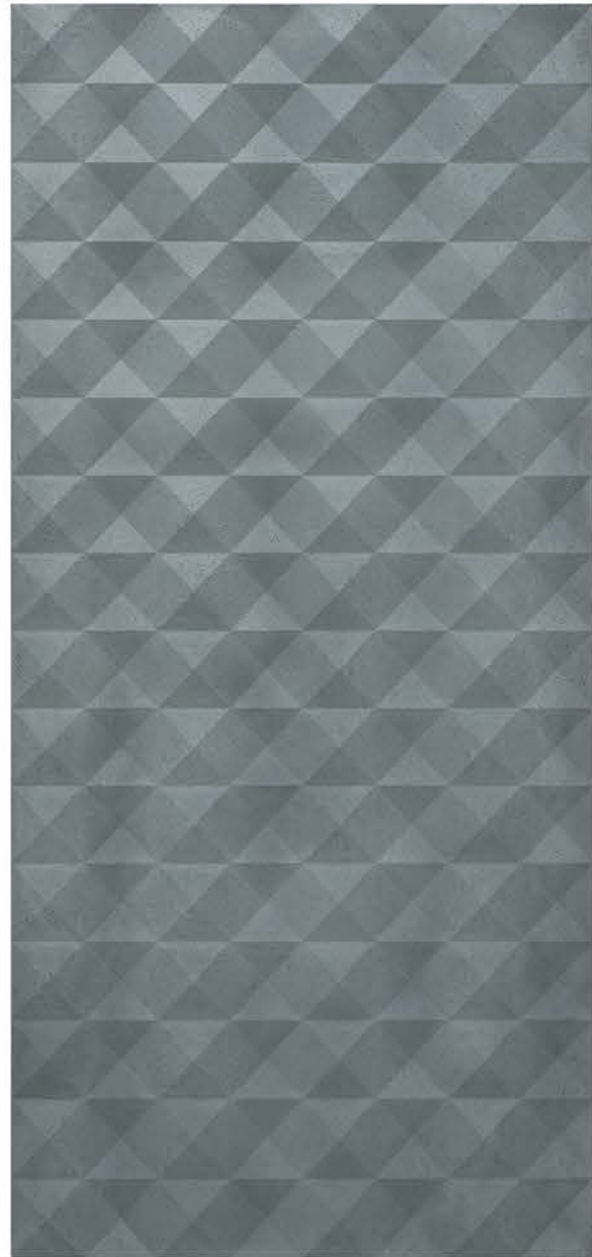


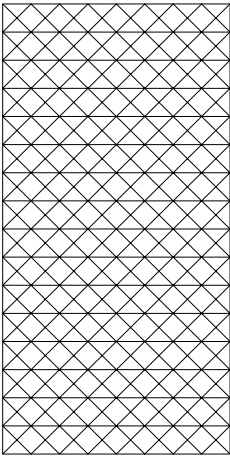








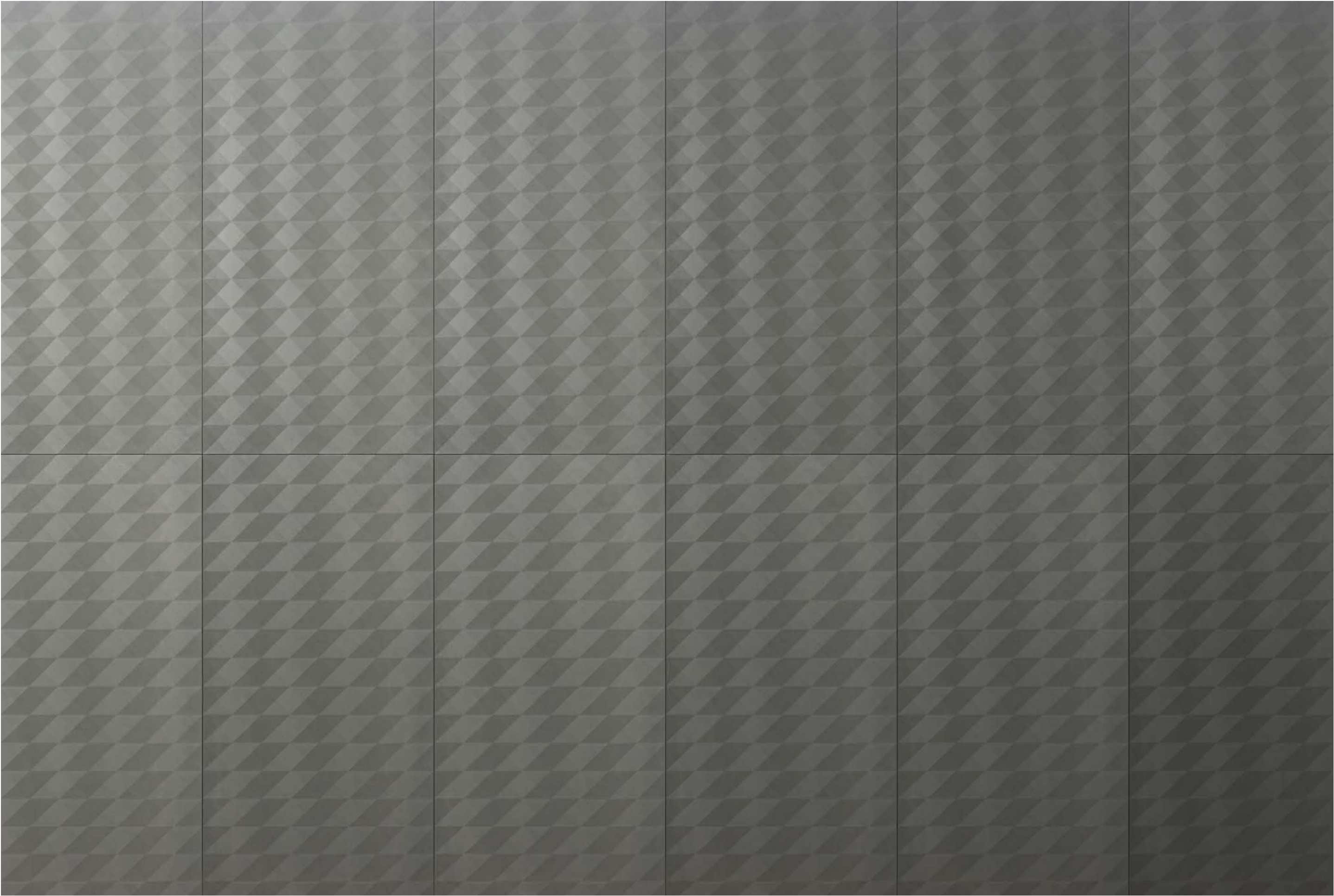




墙砖 · 钻 -L  
材质：混凝土、瓷砖渣骨料  
尺寸：1200×600×H17 mm  
重量：17 kg  
面积：0.72 平方米 / 块 1.38 块 / 平方米  
颜色：土红 / 灰白 / 灰 / 深灰

Decorative wall tiles · diamond-L  
Material: Concrete, Ceramic waste aggregates  
Size: 1200×600×H17 mm  
Weight: 17 kg  
Area: 0.72 m<sup>2</sup> /pcs 1.38pcs/ m<sup>2</sup>  
Color: Terra rossa / Grey white / Grey / Dark grey



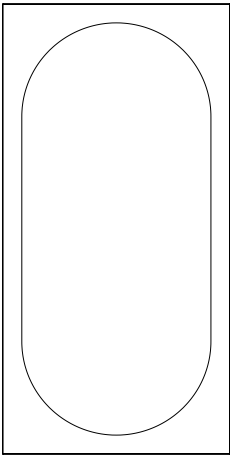












墙砖 · O  
材质：混凝土、瓷砖渣骨料  
尺寸：1200×600×H16 mm  
重量：20 kg  
面积：0.72 平方米 / 块 1.38 块 / 平方米  
颜色：土红 / 灰白 / 灰 / 深灰

Decorative wall tiles · O  
Material: Concrete, Ceramic waste aggregates  
Size: 1200×600×H16 mm  
Weight: 20 kg  
Area: 0.72 m<sup>2</sup> /pcs 1.38pcs/ m<sup>2</sup>  
Color: Terra rossa / Grey white / Grey / Dark grey



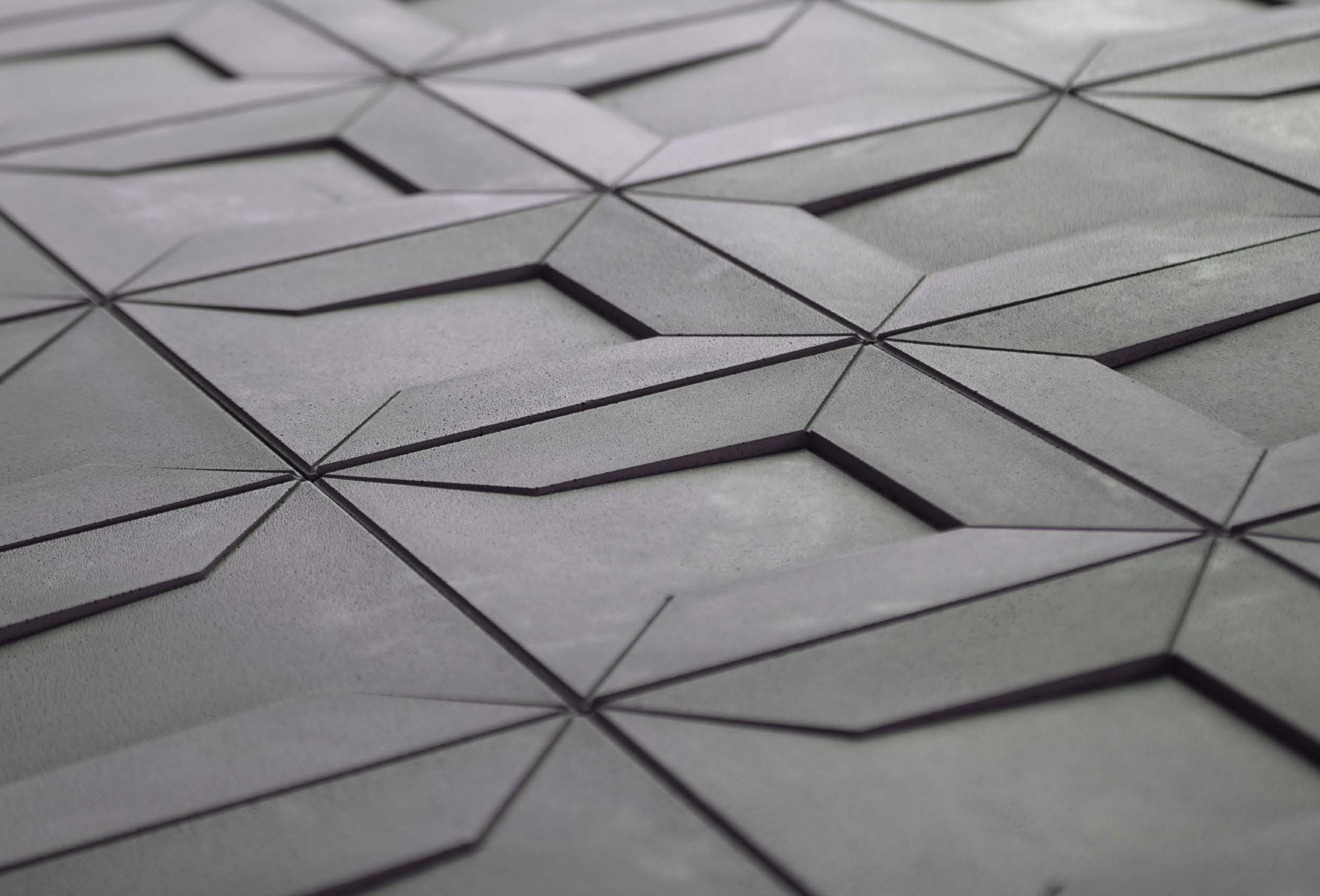




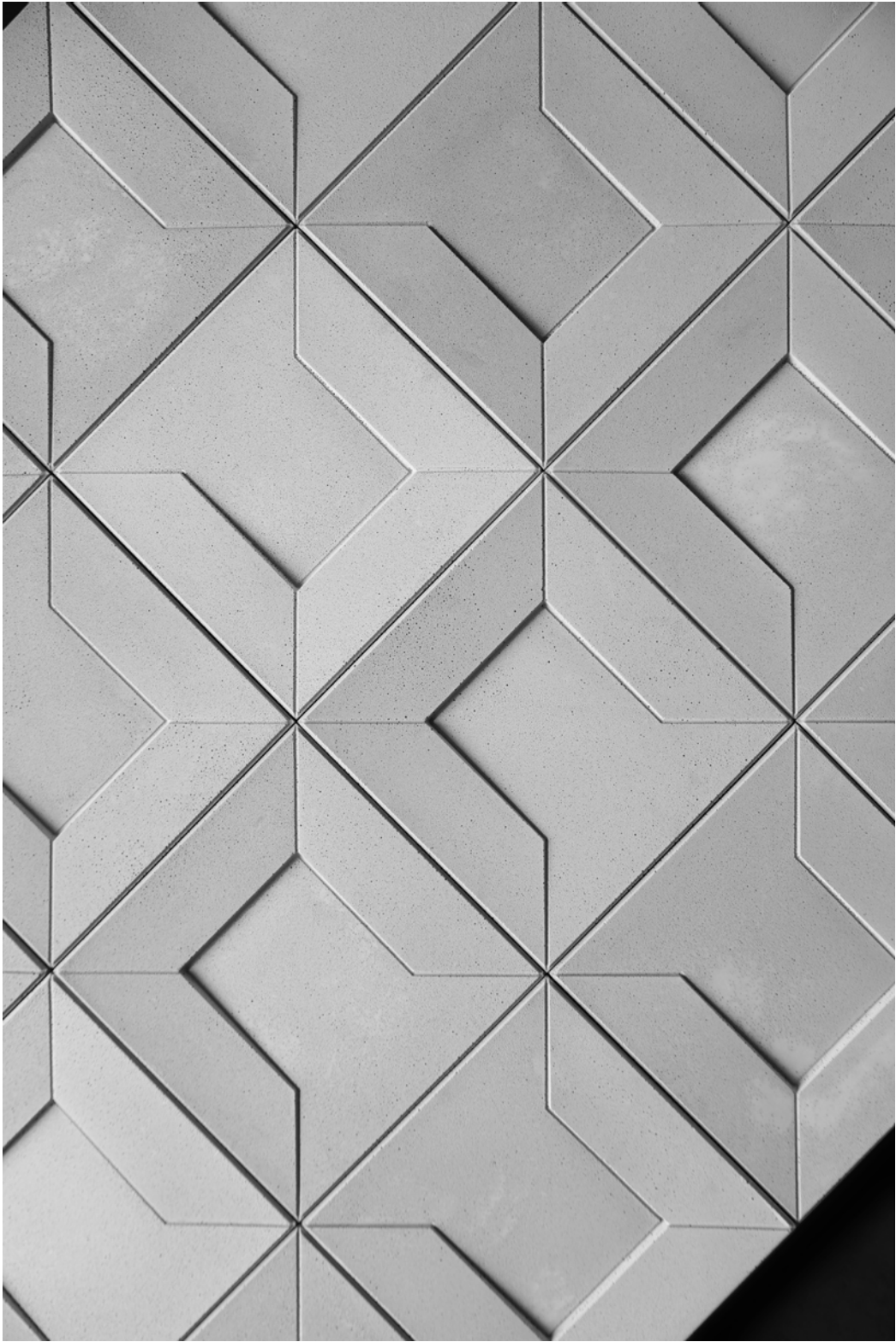




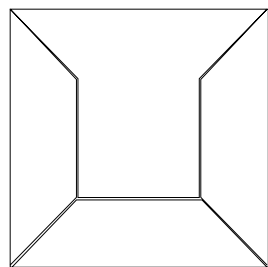












墙砖：凹

材质：混凝土、瓷砖渣骨料

尺寸：298×298×H19 mm

重量：3 kg

面积：0.09 平方米 / 块 11.1 块 / 平方米

颜色：灰白 / 灰 / 深灰

Decorative wall tiles · ao

Material: Concrete, Ceramic waste aggregates

Size: 298×298×H19 mm

Weight: 3 kg

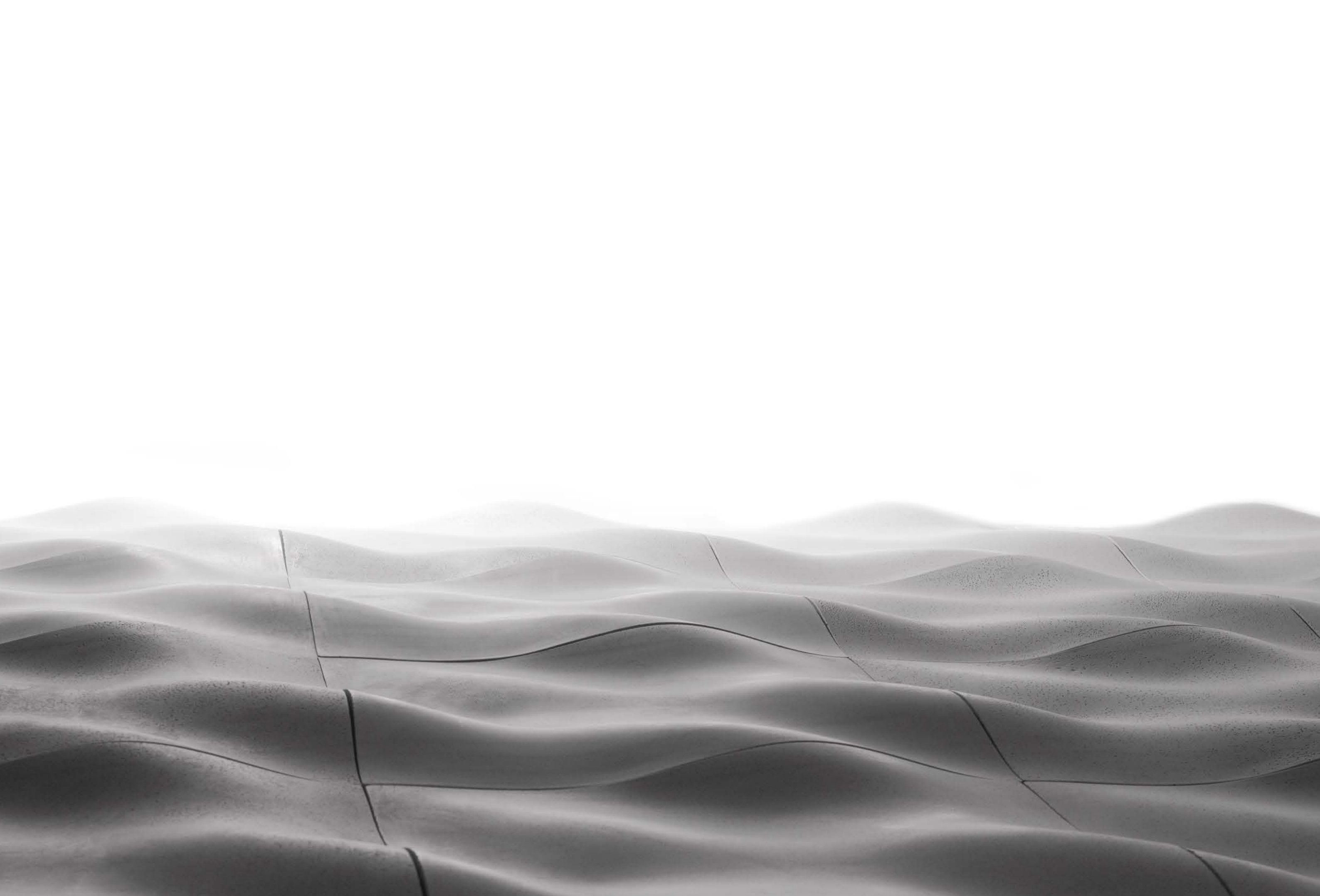
Area: 0.09 m<sup>2</sup> / pcs 11.1 pcs / m<sup>2</sup>

Color: Grey white / Grey / Dark grey



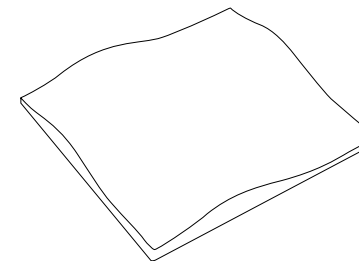












墙砖·浪

材质：混凝土、瓷砖渣骨料

尺寸：298×298×H28 mm

重量：3 kg

面积：0.09 平方米 / 块 11.1 块 / 平方米

颜色：灰白 / 灰 / 深灰

Decorative wall tiles · wave

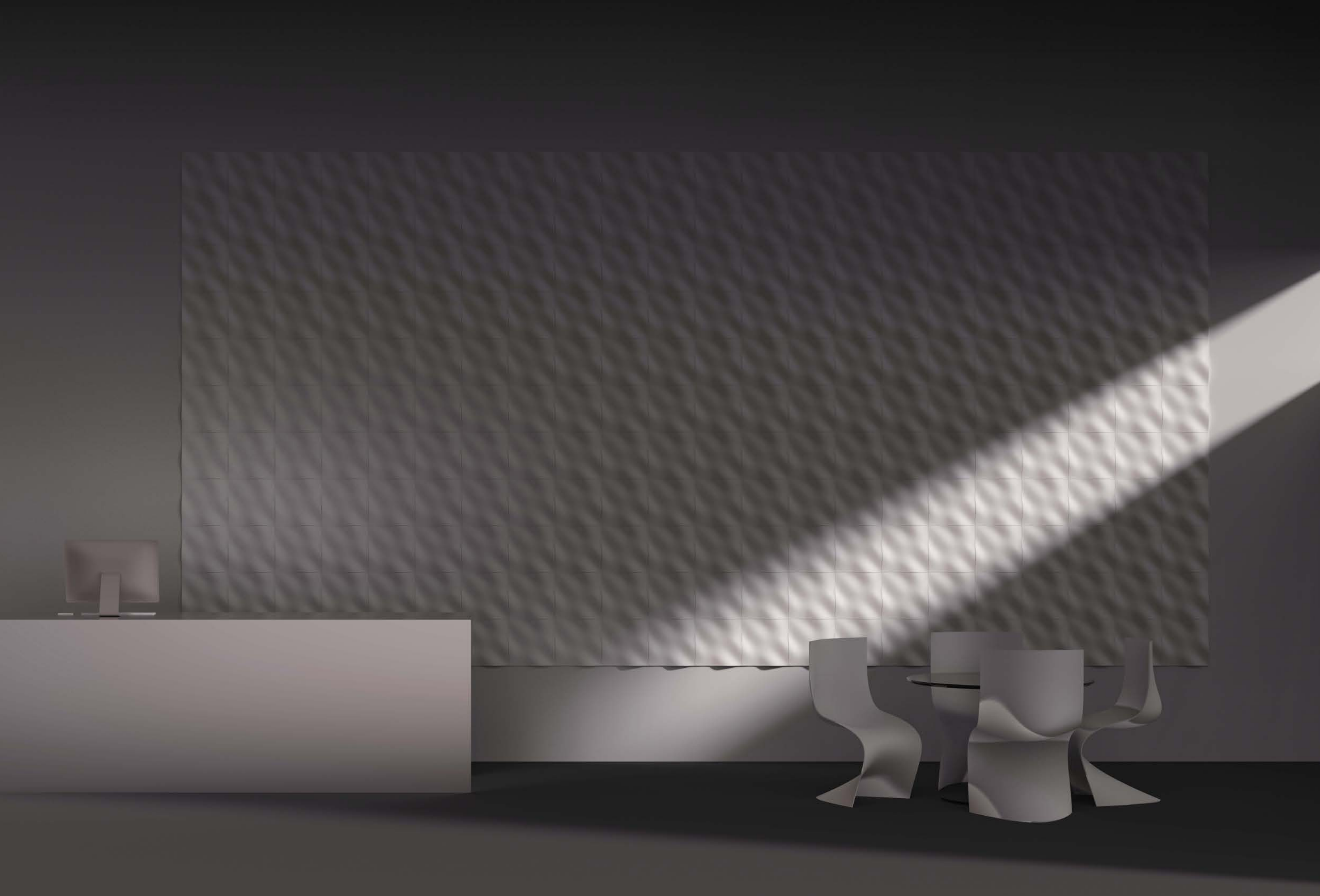
Material: Concrete, Ceramic waste aggregates

Size: 298×298×H28 mm

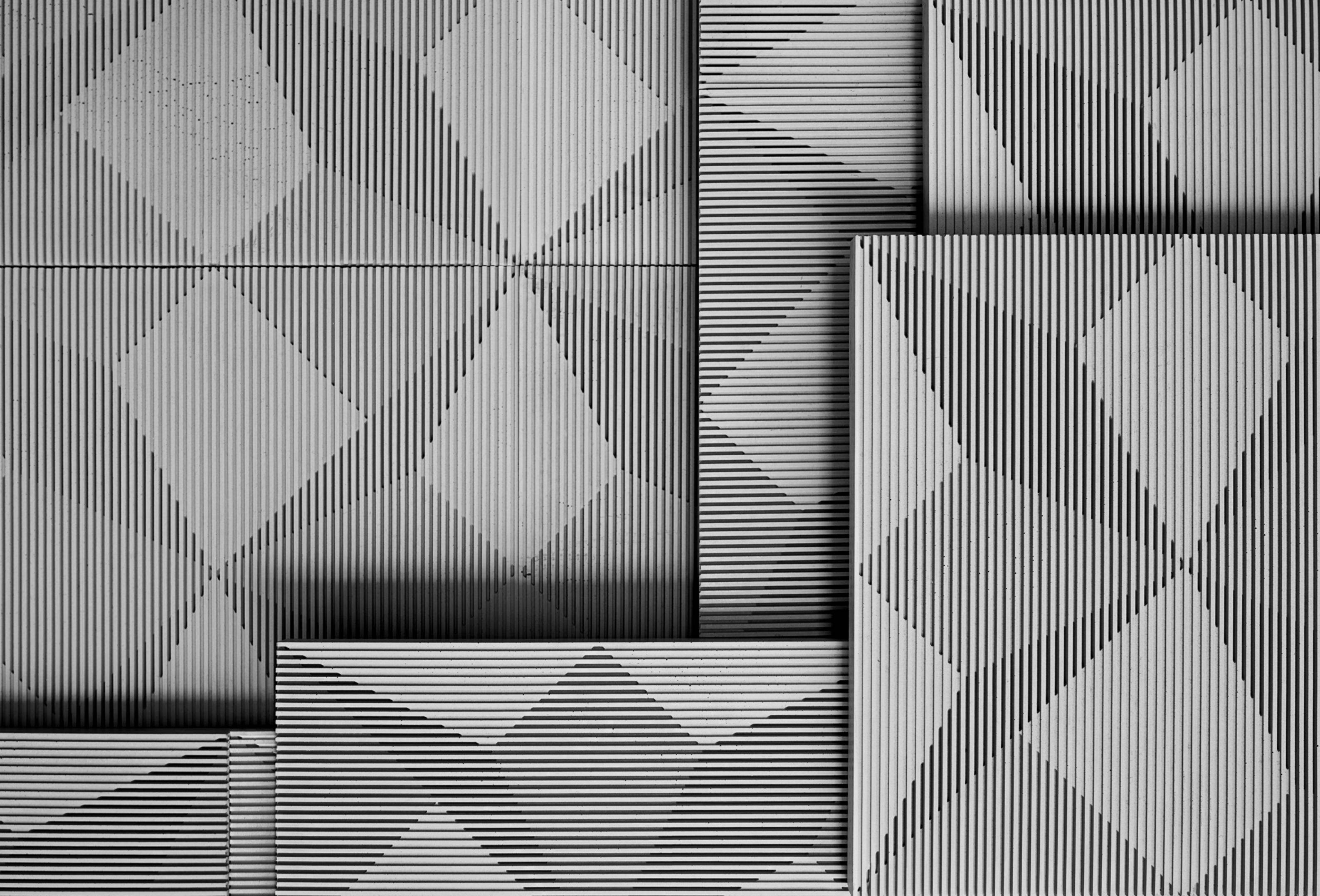
Area: 0.09m<sup>2</sup>/pcs 11.1pcs/m<sup>2</sup>

Weight: 3 kg

Color: Grey white / Grey / Dark grey



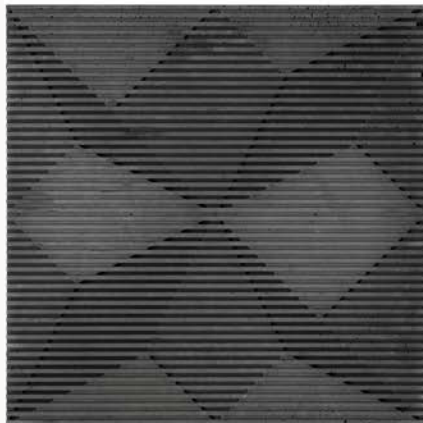
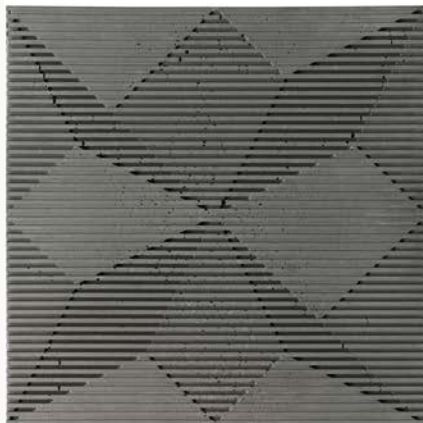
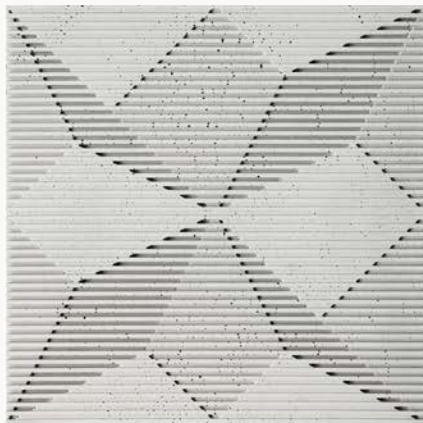




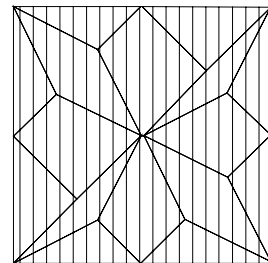








  
reddot award 2017  
best of the best

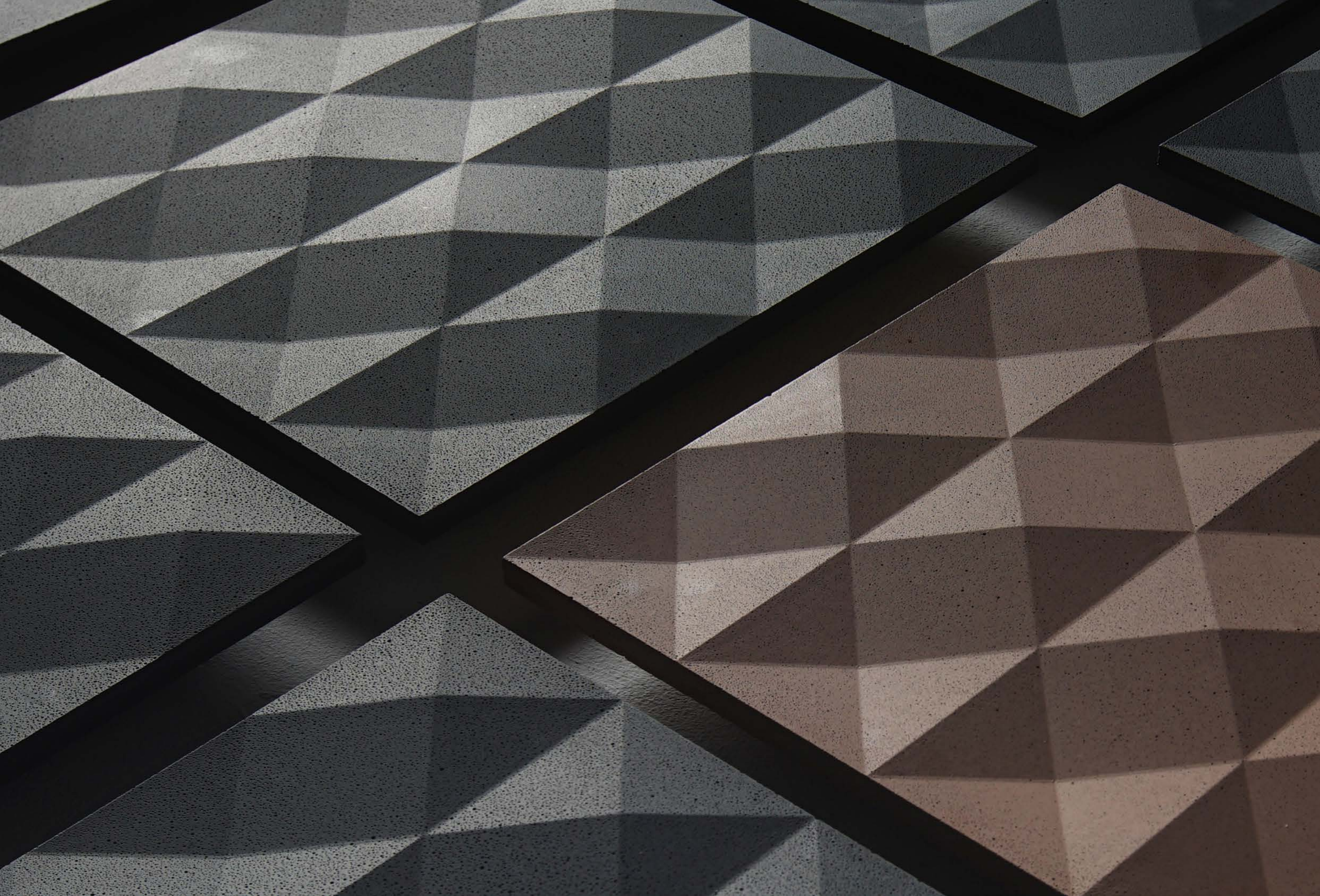


墙砖 · 影  
材质：混凝土、瓷砖渣骨料  
尺寸：298×298×H12 mm  
重量：2.2 kg  
面积：0.09 平方米 / 块 11.1 块 / 平方米  
颜色：灰白 / 灰 / 深灰

Decorative wall tiles · shadow  
Material: Concrete, Ceramic waste aggregates  
Size: 298×298×H12 mm  
Weight: 2.2 kg  
Area: 0.09m<sup>2</sup>/pcs 11.1pcs/m<sup>2</sup>  
Color: Grey white / Grey / Dark grey



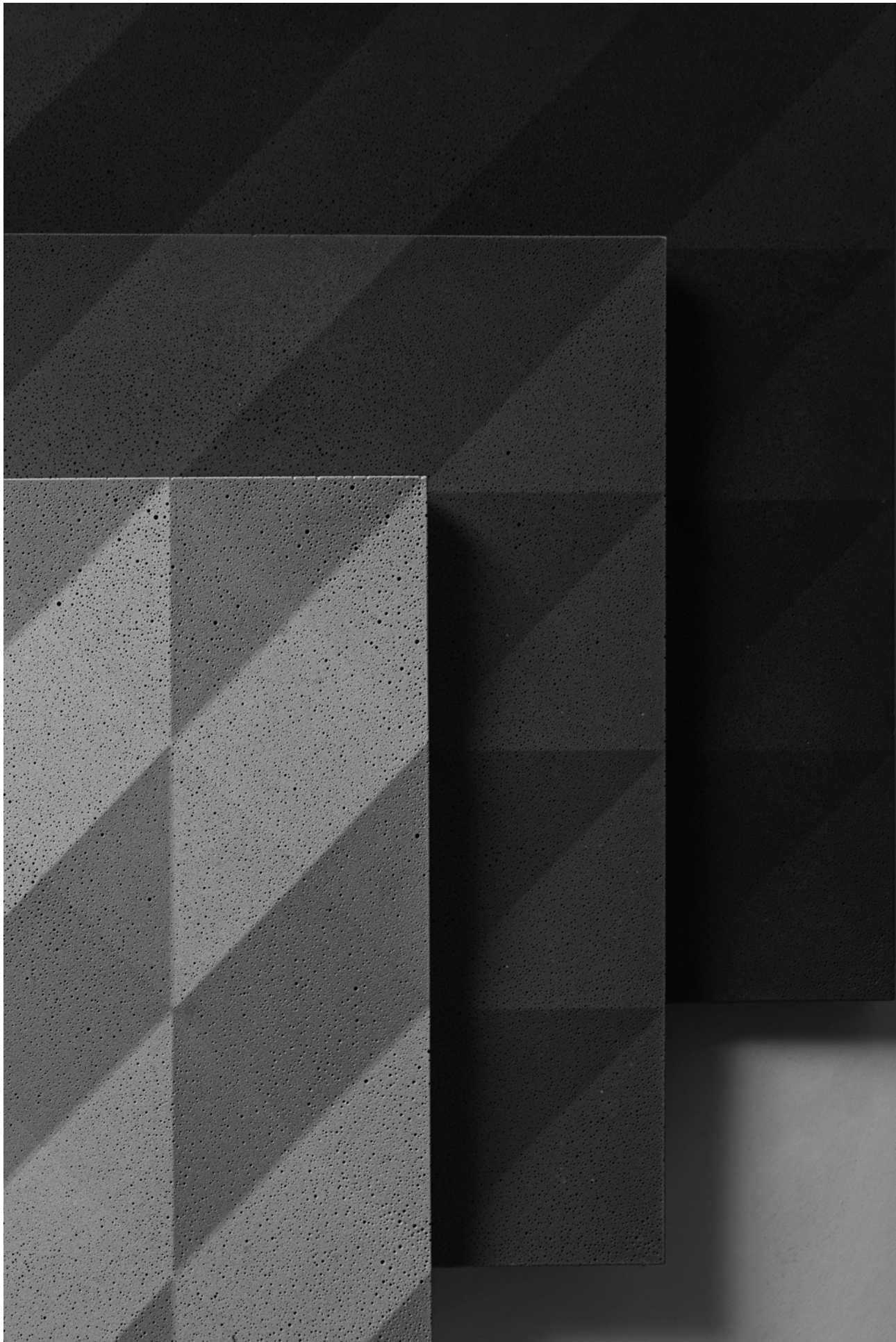




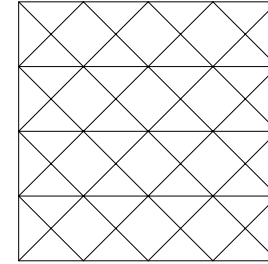












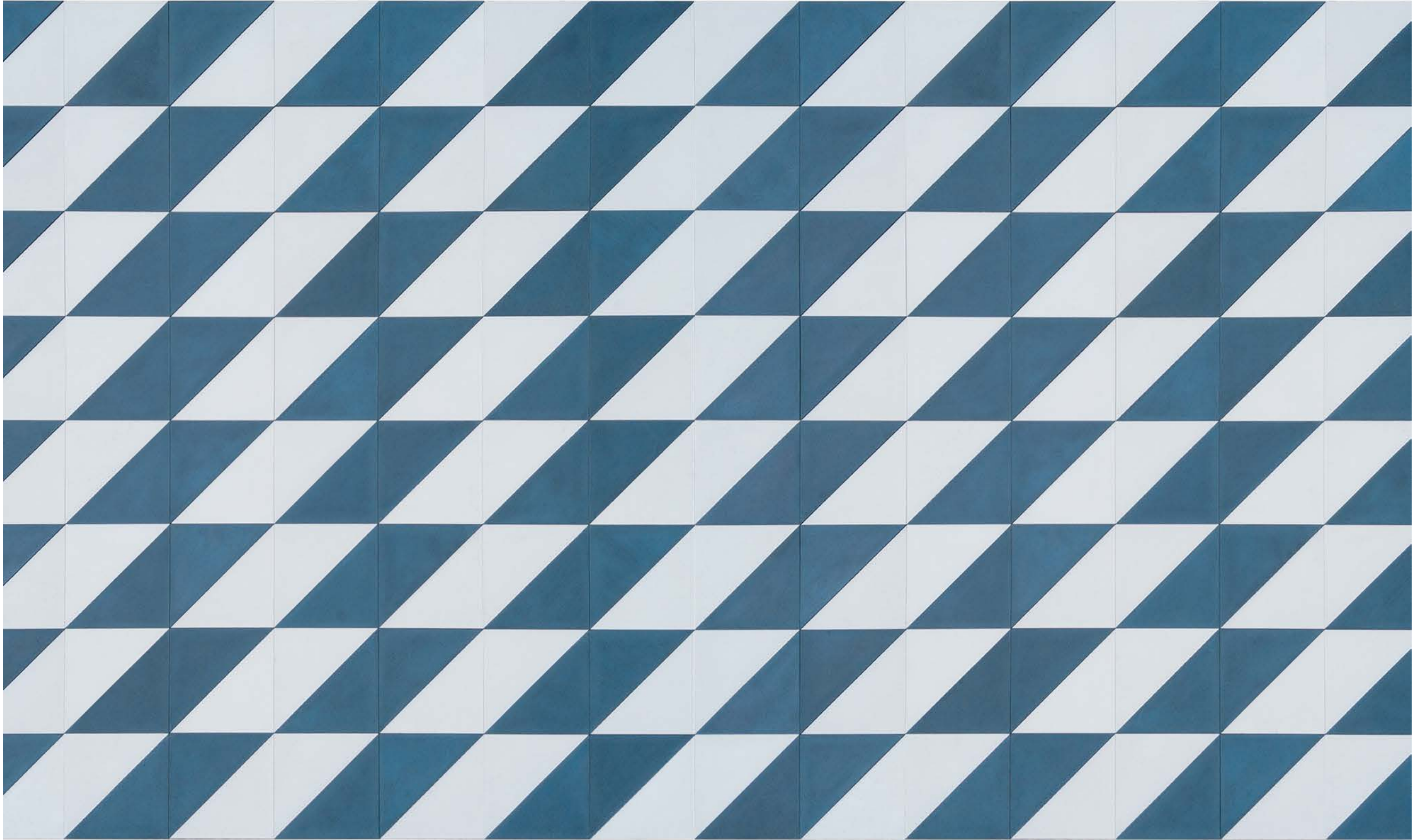
墙砖 · 钻 -S  
材质：混凝土、瓷砖渣骨料  
尺寸：300×300×H15 mm  
重量：2.4 kg  
面积：0.09 平方米 / 块 11.1 块 / 平方米  
颜色：灰白 / 灰 / 深灰

Decorative wall tiles · diamond-S  
Material: Concrete, Ceramic waste aggregates  
Size: 300×300×H15 mm  
Weight: 2.4 kg  
Area: 0.09m<sup>2</sup>/pcs 11.1pcs/m<sup>2</sup>  
Color: Grey white / Grey / Dark grey













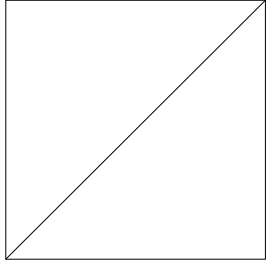








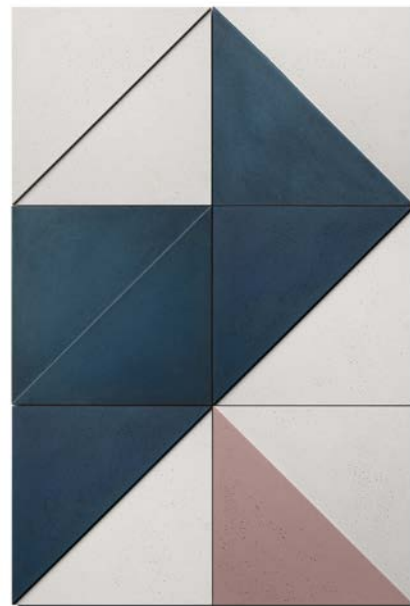
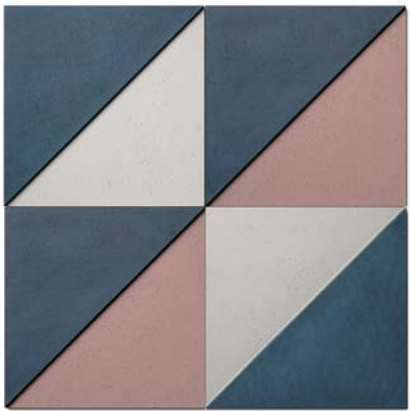




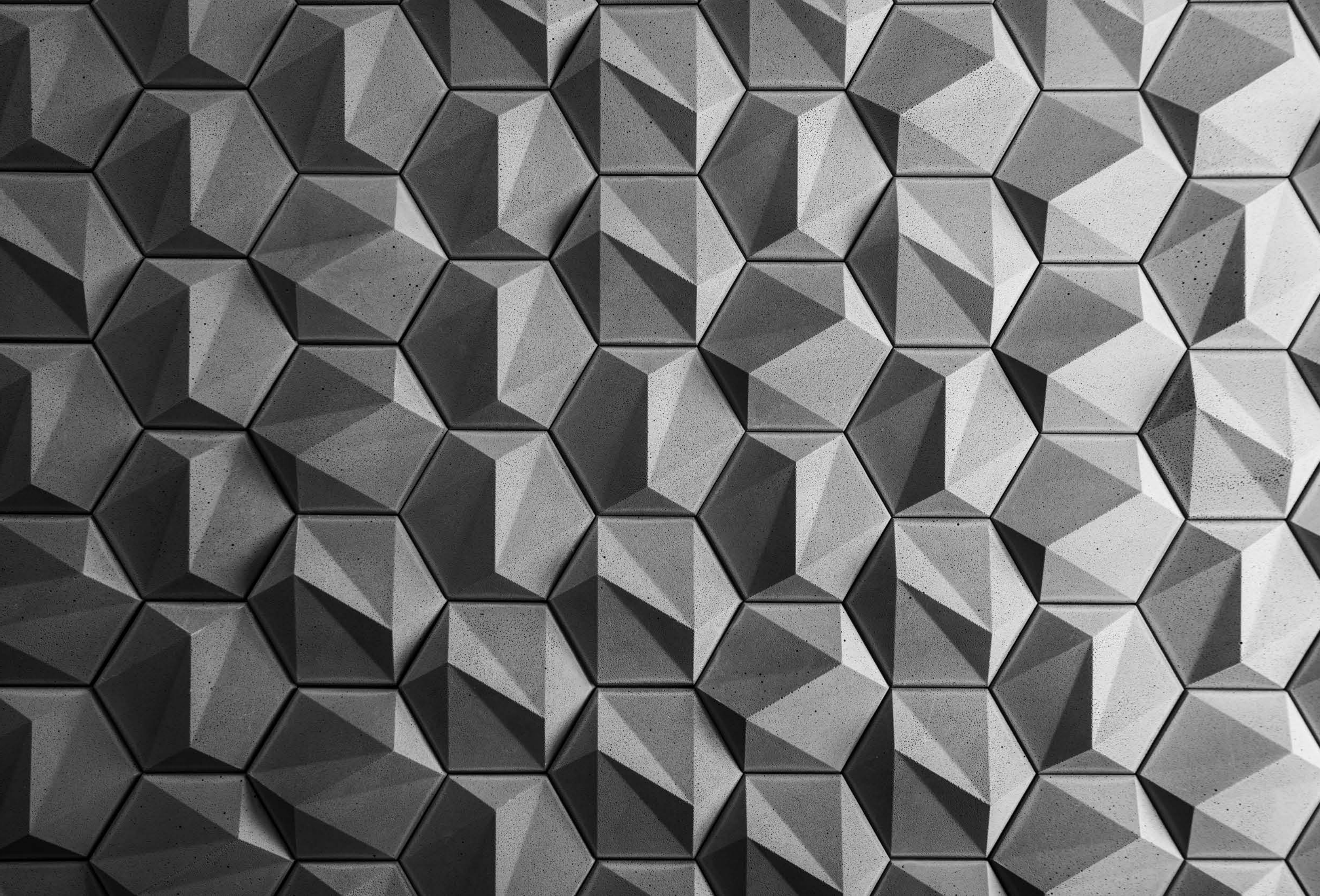
墙砖 · L  
材质：混凝土、瓷砖渣骨料  
尺寸：298×298×H15 mm  
重量：2.2 kg  
面积：0.09 平方米 / 块 11.1 块 / 平方米  
颜色：灰白 / 灰 / 深灰  
灰 + 灰白 / 灰白 + 深灰 / 灰 + 深灰  
粉红 / 粉红 + 灰白 / 藏青 + 粉红  
藏青 / 藏青 + 灰白

Decorative wall tiles · L  
Material: Concrete, Ceramic waste aggregates  
Size: 298×298×H15 mm  
Weight: 2.2 kg  
Area: 0.09m<sup>2</sup>/pcs 11.1pcs/m<sup>2</sup>  
Color: Grey white / Grey / Dark grey  
Grey+Grey white/Grey white+Dark grey/Grey+Dark grey  
Pink/Pink+Grey white/Navy blue+Pink  
Navy blue/Navy blue+Grey white

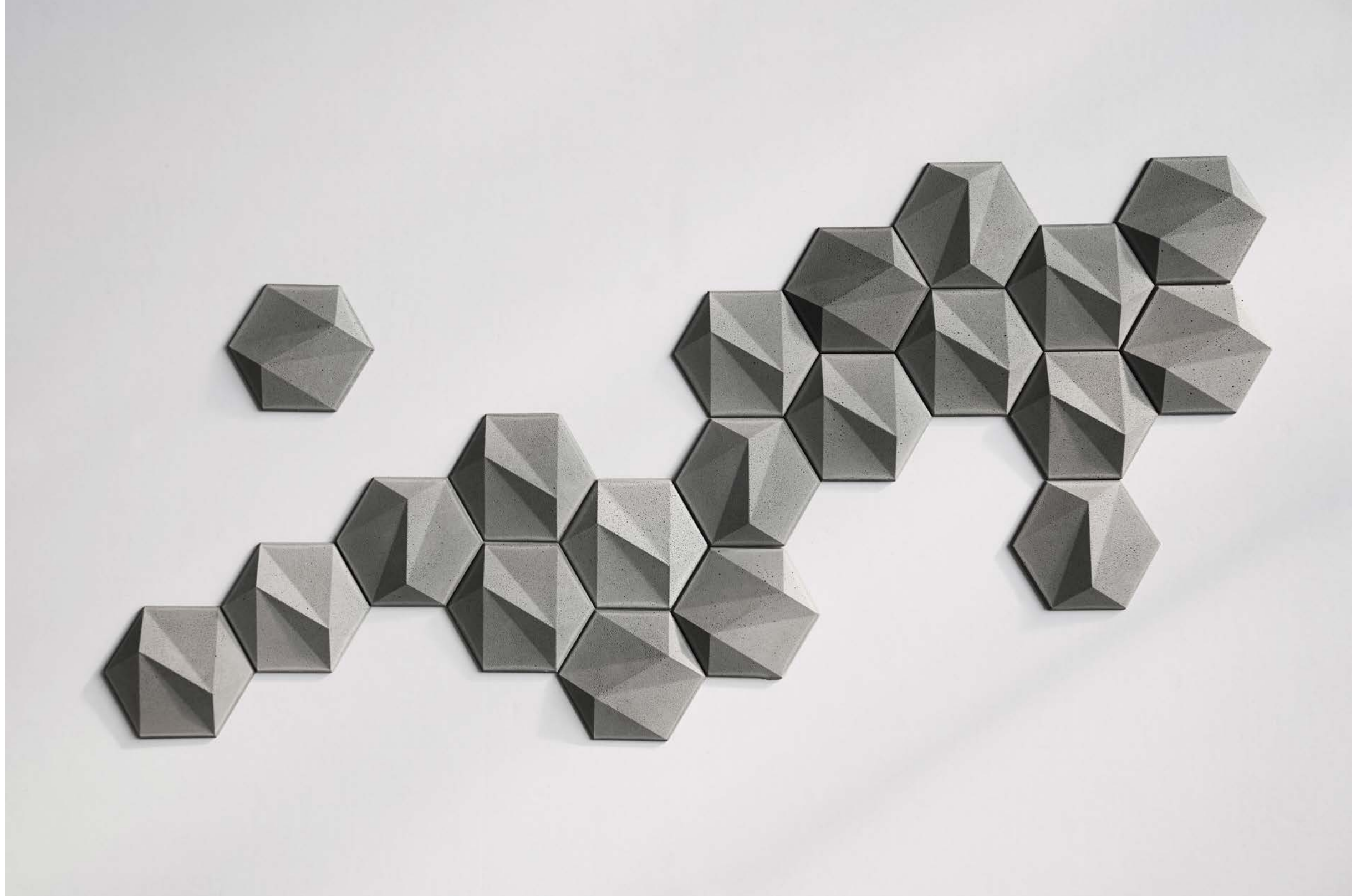




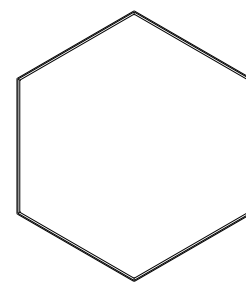












墙砖·伞(平)

材质：混凝土，建筑回收废渣骨料

尺寸：242×280×H13 mm

重量：1.4 kg

面积：0.05 平方米 / 块 19.6 块 / 平方米

颜色：灰白 / 灰 / 深灰

Decorative wall tiles · san (flat)

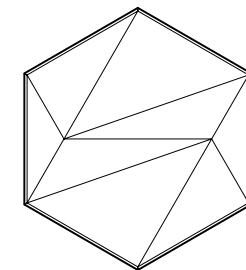
Material: Concrete, Demolition leftover concrete

Size: 242×280×H19 mm

Weight: 1.4 kg

Area: 0.05 m<sup>2</sup> / pcs 19.6 pcs / m<sup>2</sup>

Color: Grey white / Grey / Dark grey



墙砖·伞(3D)

材质：混凝土，建筑回收废渣骨料

尺寸：242×280×H37 mm

重量：2.1 kg

面积：0.05 平方米 / 块 19.6 块 / 平方米

颜色：灰白 / 灰 / 深灰

Decorative wall tiles · san (3D)

Material: Concrete, Demolition leftover concrete

Size: 242×280×H37 mm

Weight: 2.1 kg

Area: 0.05 m<sup>2</sup> / pcs 19.6 pcs / m<sup>2</sup>

Color: Grey white / Grey / Dark grey







L:700×W728mm 5pcs



L:1330×W728mm 10pcs



L:1330×W1091 mm 10pcs



L:1750×W728mm 10pcs



L:910×W606mm 5pcs



L:1330×W728mm 10pcs



L:1120×W1091mm 10pcs



L:1330×W728mm 10pcs



L:910×W606mm 5pcs



L:2379×W1019mm 20pcs



L:2170×W1091mm 20pcs



L:2170×W1091mm 20pcs



L:910×W606mm 5pcs



L:1538×W1454mm 20pcs

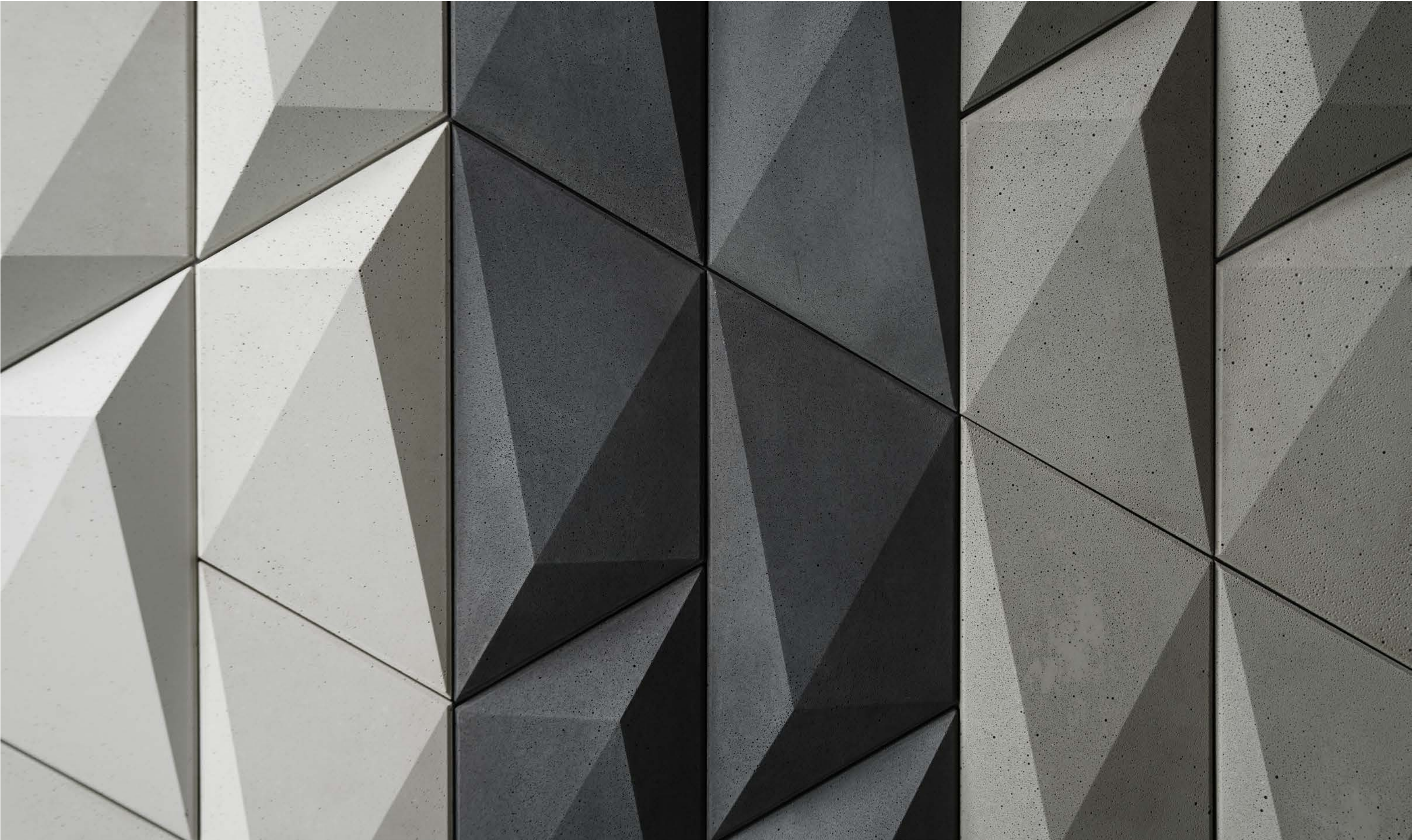


L:1750×W1212mm 20pcs

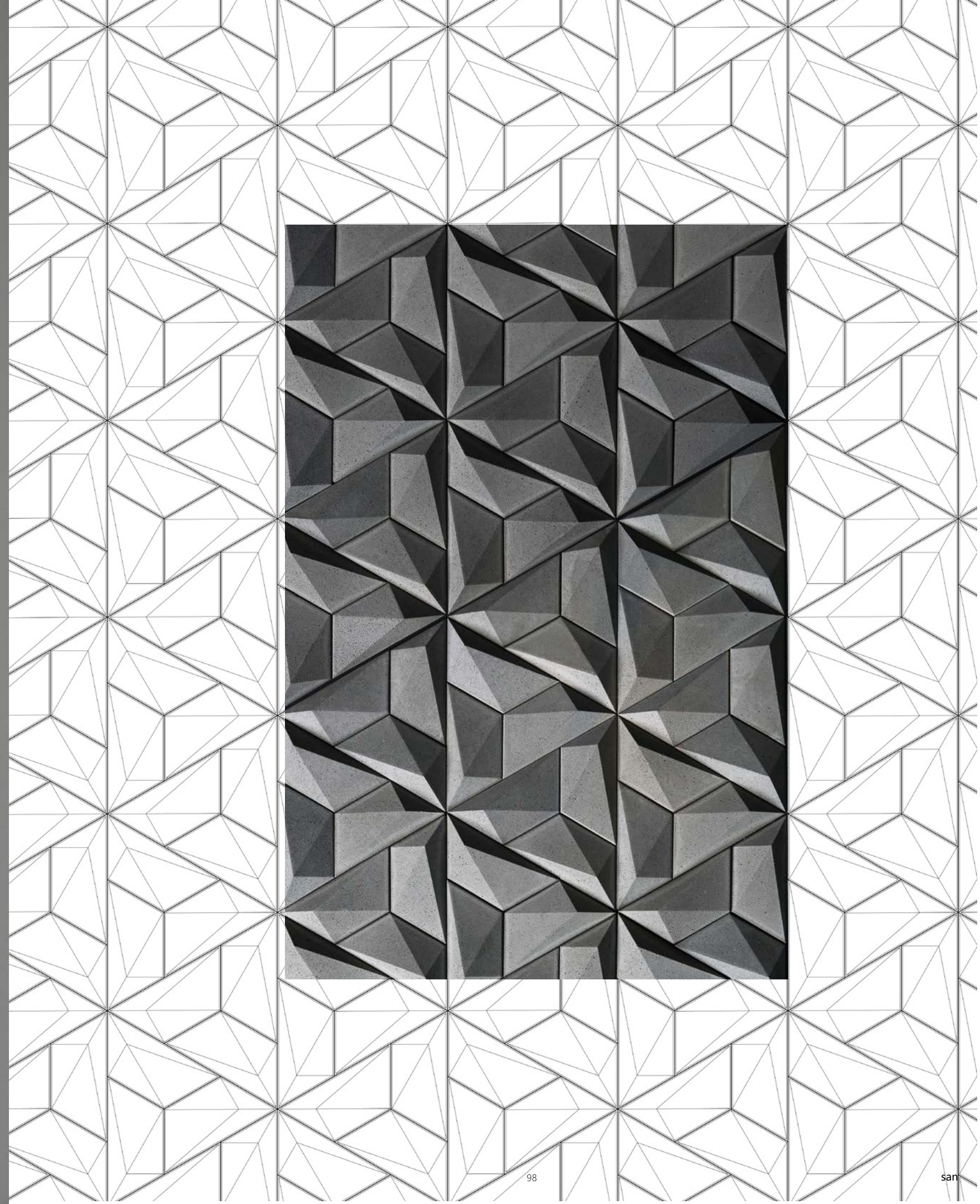


L:1960×W1091mm 20pcs







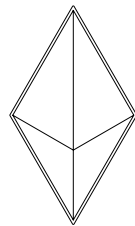
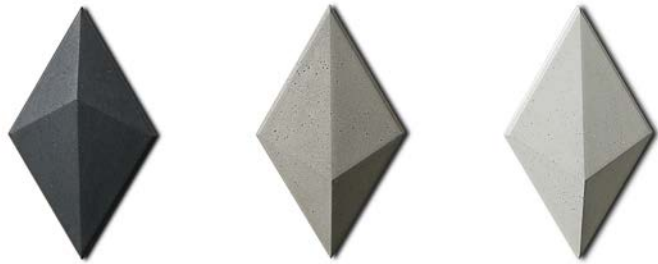






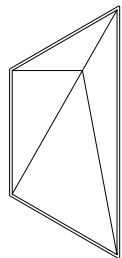
◆ 45    ▮ 86  
 ≈ 2.8m<sup>2</sup>





墙砖 · 伞 S  
材质：混凝土，建筑回收废渣骨料  
尺寸：120×240×H28 mm  
重量：0.6 kg  
面积：0.017 平方米 / 块 58.4 块 / 平方米  
颜色：灰白 / 灰 / 深灰

Decorative wall tiles · san S  
Material: Concrete, Demolition leftover concrete  
Size: 120×240×H28 mm  
Weight: 0.6 kg  
Area: 0.017 m<sup>2</sup> / pcs 58.4 pcs / m<sup>2</sup>  
Color: Grey white / Grey / Dark grey



墙砖 · 伞 M  
材质：混凝土，建筑回收废渣骨料  
尺寸：120×280×H28 mm  
重量：0.9 kg  
面积：0.025 平方米 / 块 39.2 块 / 平方米  
颜色：灰白 / 灰 / 深灰

Decorative wall tiles · san M  
Material: Concrete, Demolition leftover concrete  
Size: 120×280×H28 mm  
Weight: 0.9 kg  
Area: 0.025 m<sup>2</sup> / pcs 39.2 pcs / m<sup>2</sup>  
Color: Grey white / Grey / Dark grey

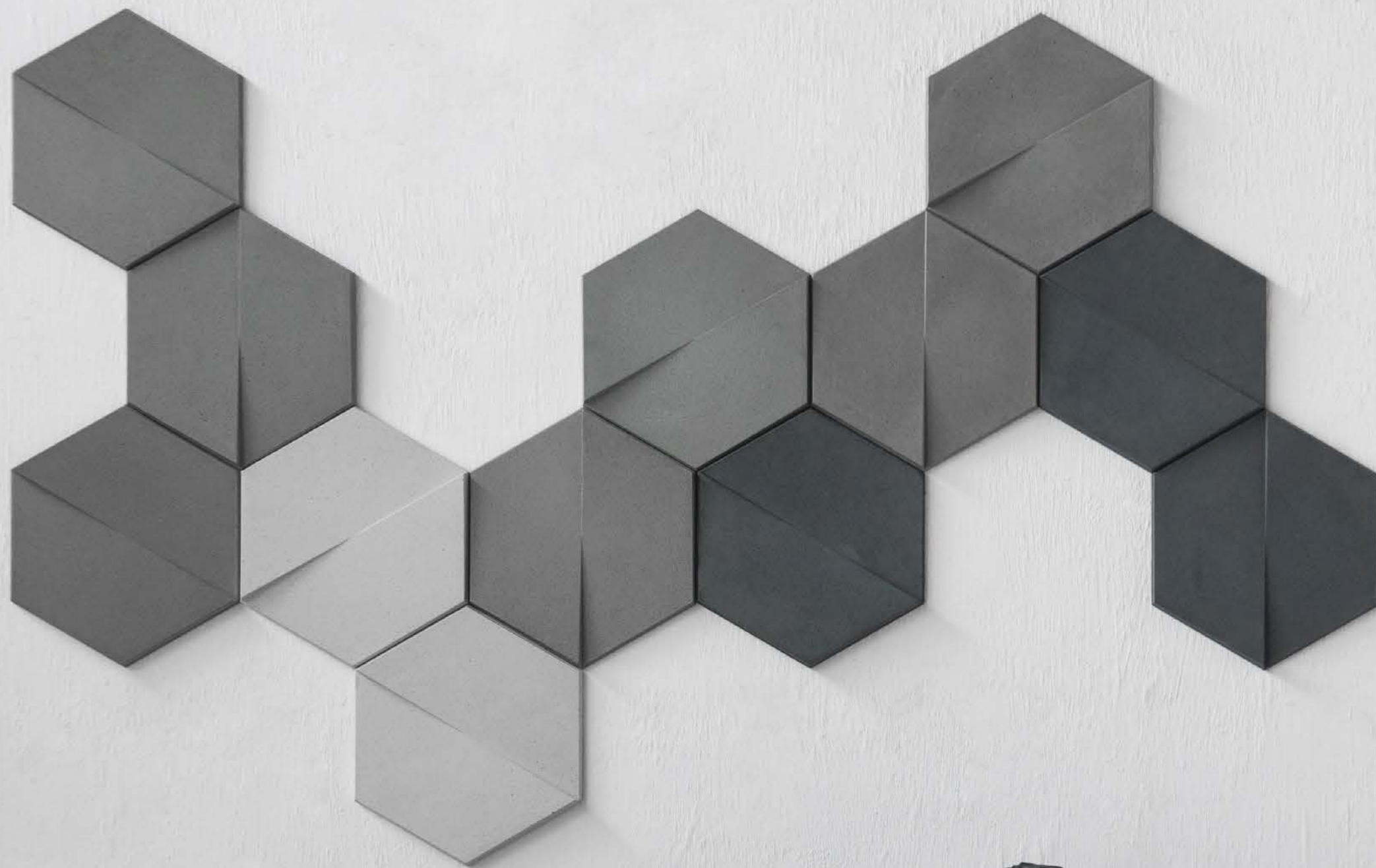




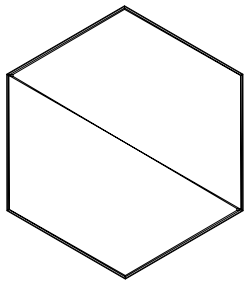
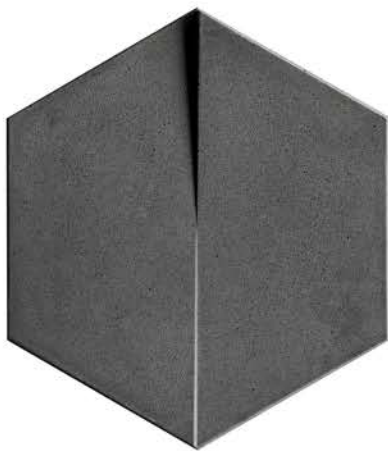












墙砖·菱

材质：混凝土，建筑回收废渣骨料

尺寸：242×280×H18 mm

重量：1.3 kg

面积：0.05 平方米 / 块 19.6 块 / 平方米

颜色：灰白 / 灰 / 深灰

Decorative wall tiles · ling

Material: Concrete, Demolition leftover concrete

Size: 242×280×H18 mm

Weight: 1.3 kg

Area: 0.05 m<sup>2</sup> / pcs 19.6 pcs / m<sup>2</sup>

Color: Grey white / Grey / Dark grey





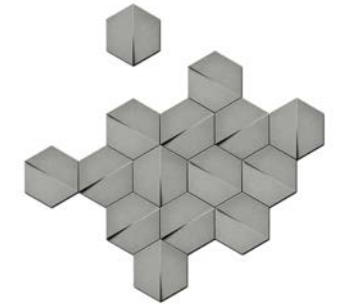
L:848×W909mm 8pcs



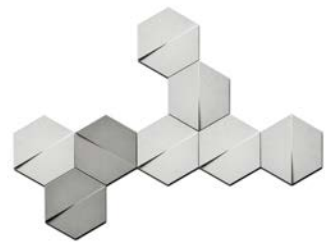
L:909×W848mm 8pcs



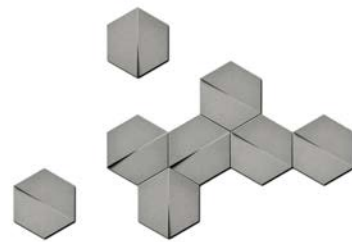
L:1327×W1531mm 15pcs



L:1327×W1328mm 15pcs



L:1207×W909mm 8pcs



L:1330×W909mm 8pcs



L:1327×W1328mm 15pcs



L:1328×W1208mm 15pcs



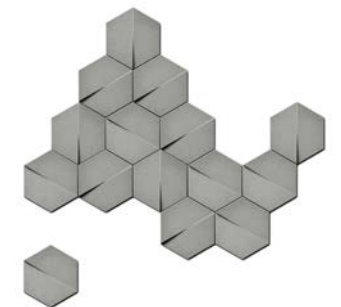
L:1322×W842mm 8pcs



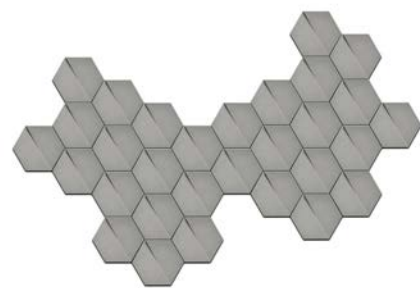
L:970×W1119mm 8pcs



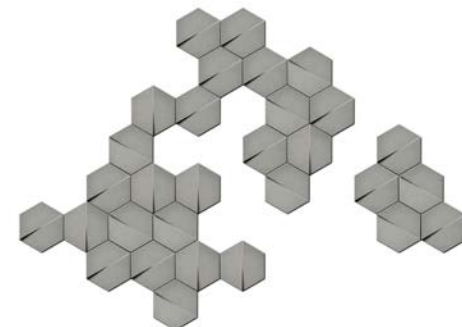
L:1327×W1328mm 15pcs



L:1327×W1328mm 15pcs



L:2163×W1453mm 30pcs



L:2421×W1743mm 30pcs

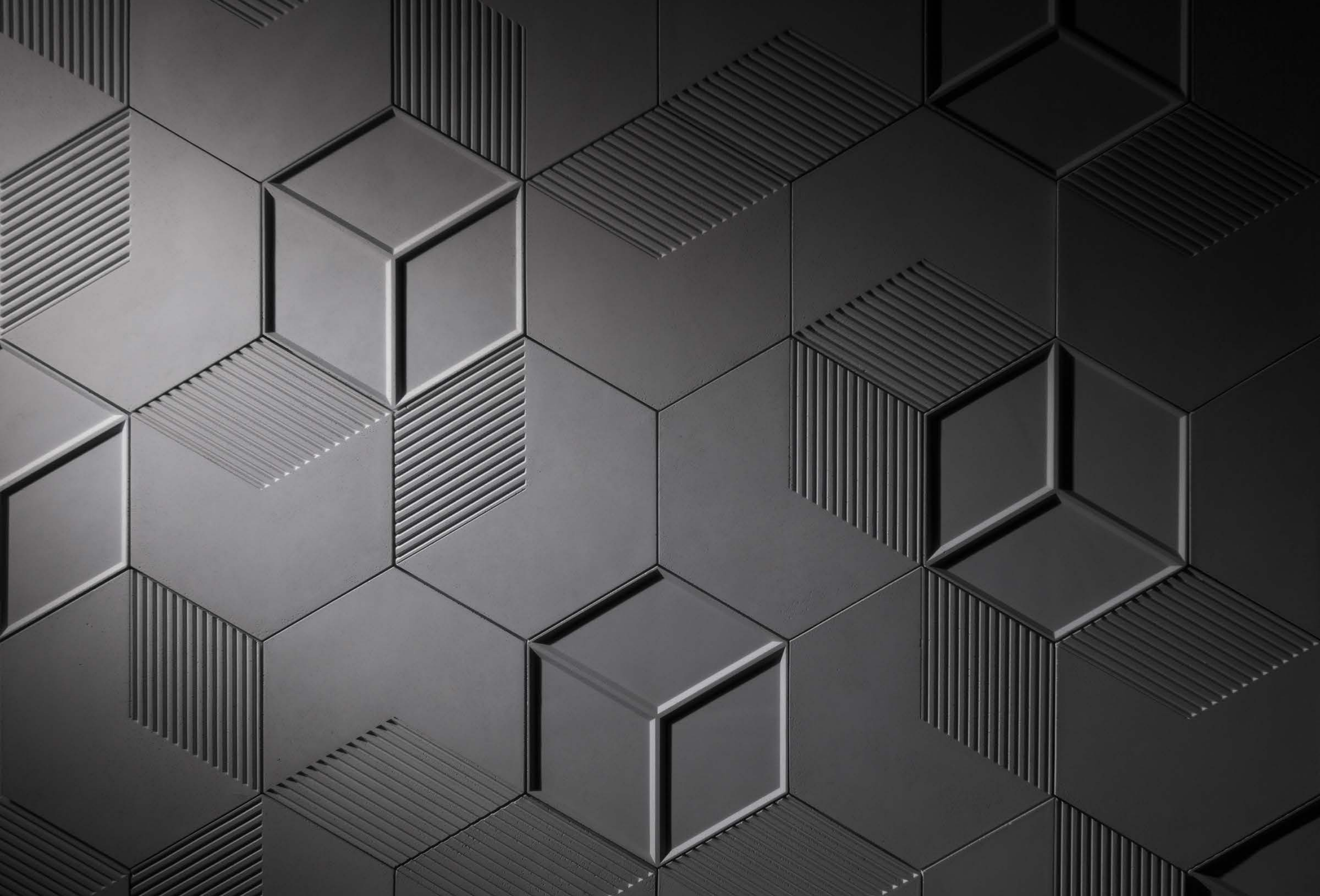


L:2164×W1449mm 30pcs

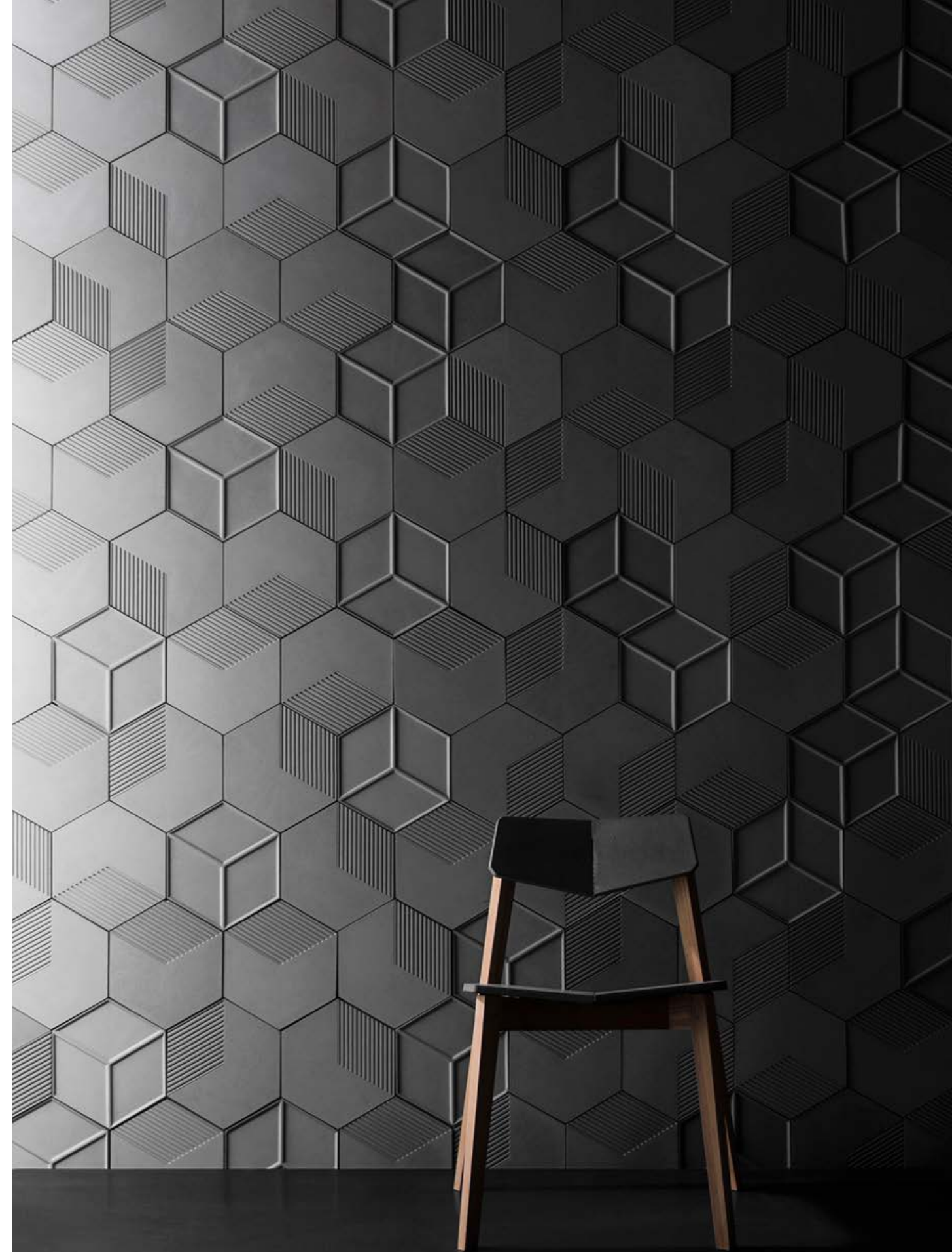
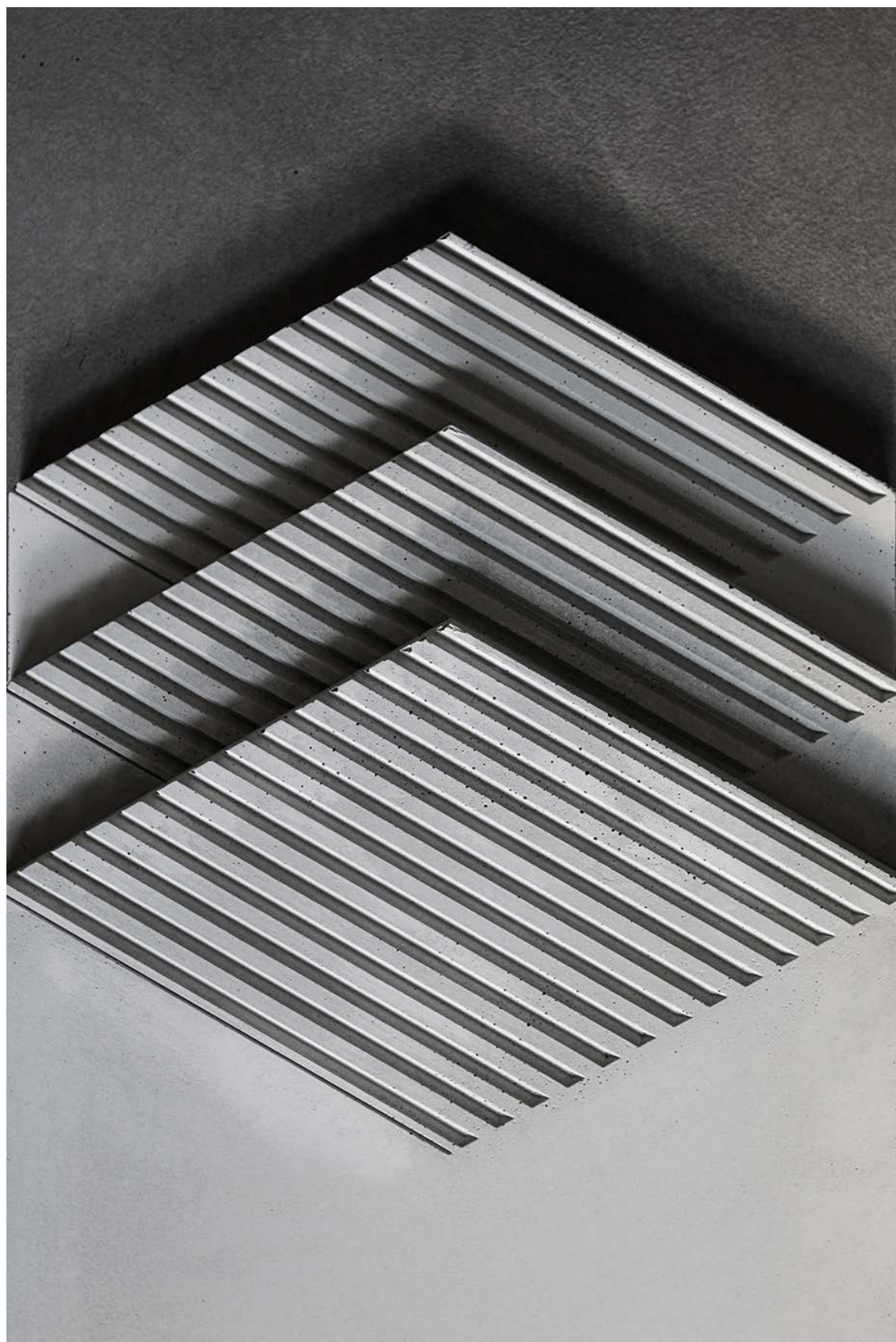


L:2376×W1327mm 30pcs



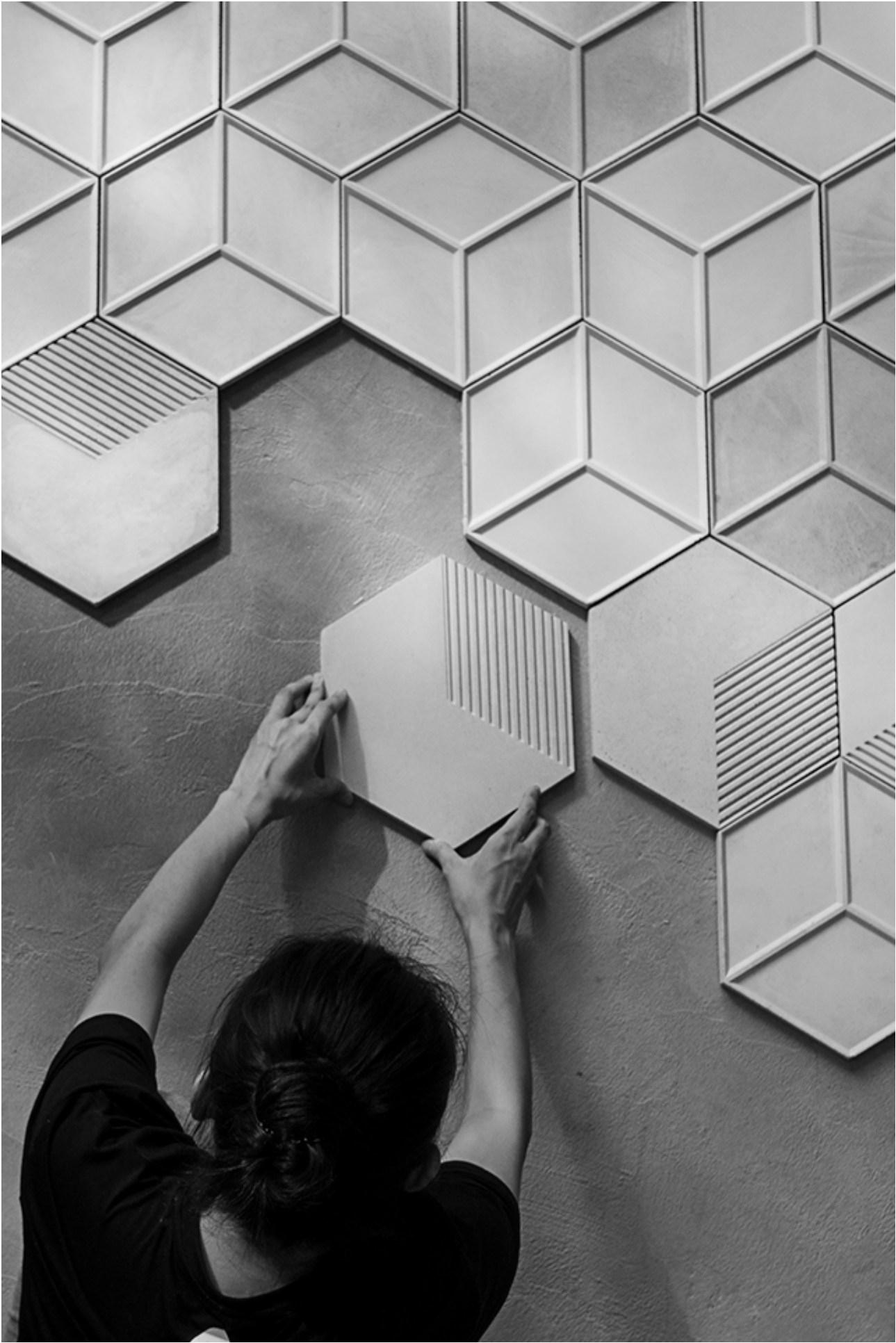




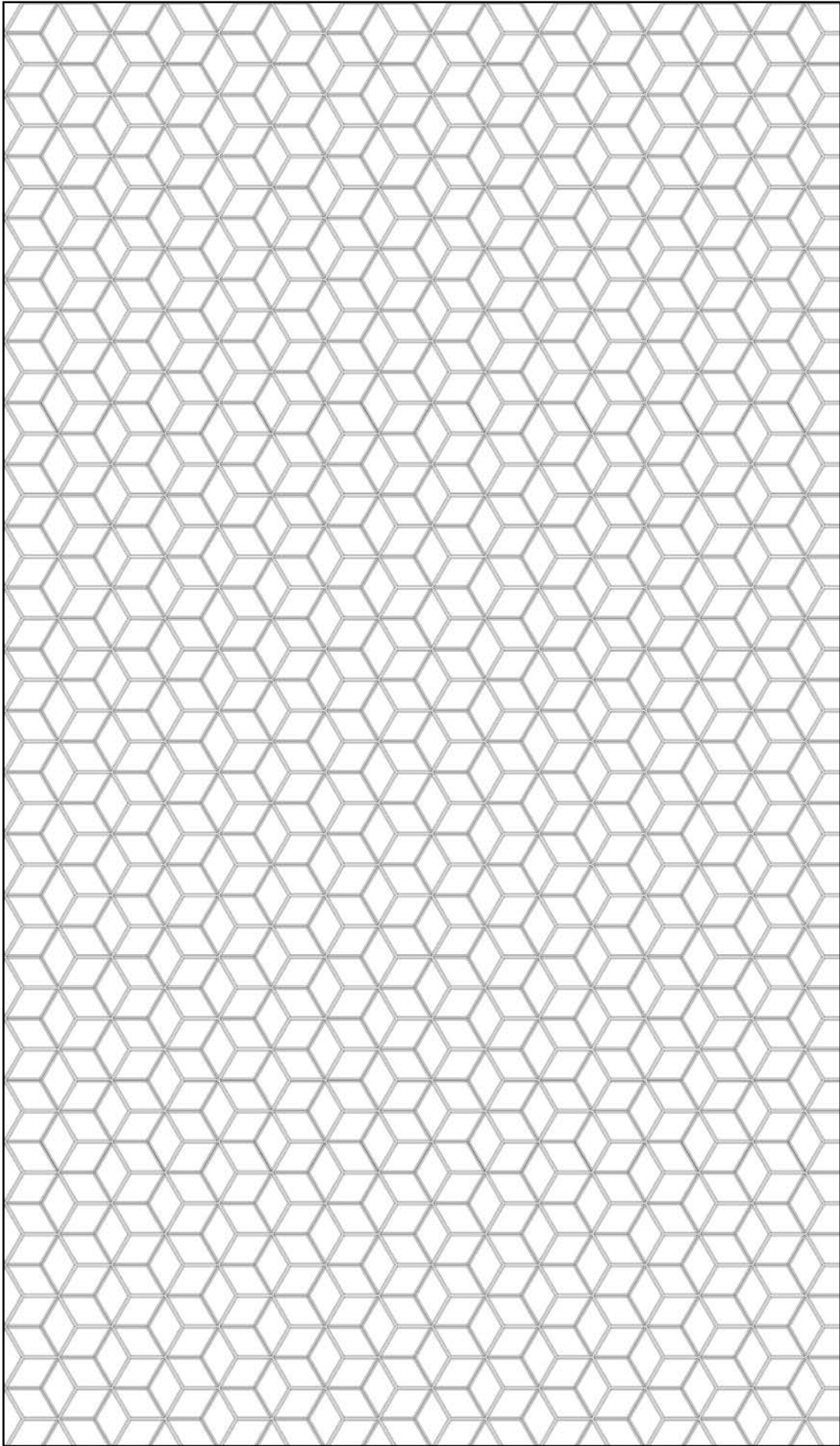


 30  87  
 $\approx 5.8\text{m}^2$

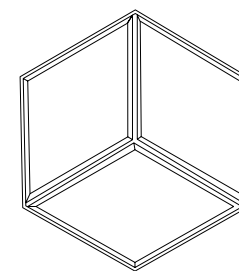
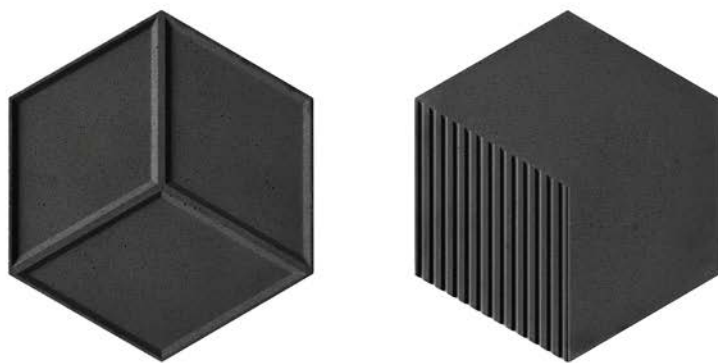
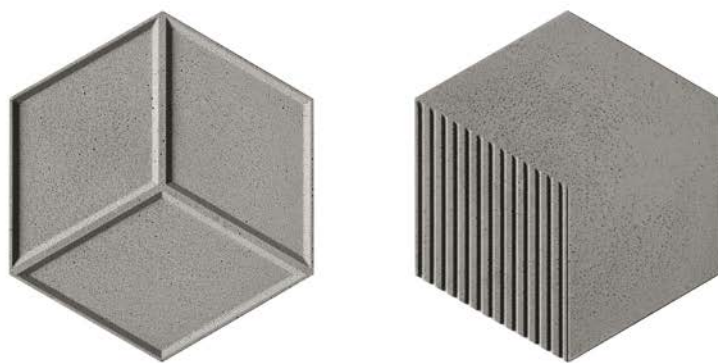
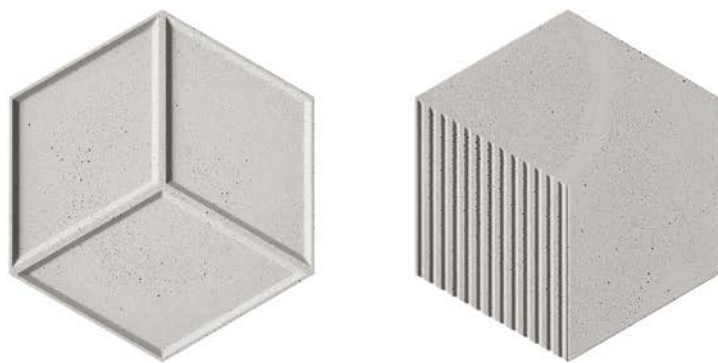






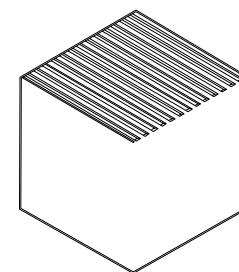






墙砖·六 1  
材质：混凝土、瓷砖渣骨料  
尺寸：242×280×H13 mm  
重量：1.2 kg  
面积：0.05 平方米 / 块 19.6 块 / 平方米  
颜色：灰白 / 灰 / 深灰

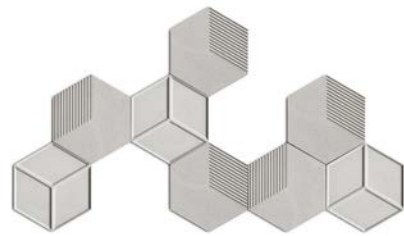
Decorative wall tiles · six 1  
Material: Concrete, Ceramic waste aggregates  
Size: 242×280×H13 mm  
Weight: 1.1 kg  
Area: 0.05 m<sup>2</sup> / pcs 19.6 pcs / m<sup>2</sup>  
Color: Grey white / Grey / Dark grey



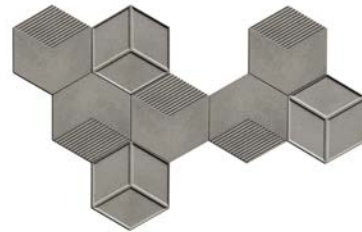
墙砖·六 2  
材质：混凝土、瓷砖渣骨料  
尺寸：242×280×H13 mm  
重量：1.4 kg  
面积：0.05 平方米 / 块 19.6 块 / 平方米  
颜色：灰白 / 灰 / 深灰

Decorative wall tiles · six 2  
Material: Concrete, Ceramic waste aggregates  
Size: 242×280×H13 mm  
Weight: 1.4 kg  
Area: 0.05 m<sup>2</sup> / pcs 19.6 pcs / m<sup>2</sup>  
Color: Grey white / Grey / Dark grey

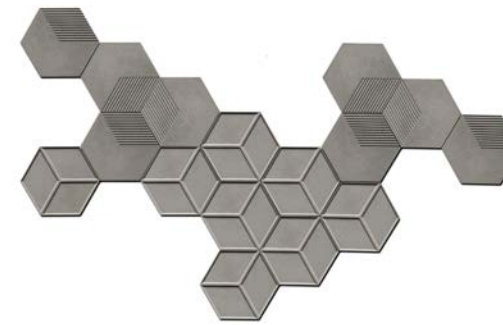




L:1212×W700mm 8pcs



L:1091×W700mm 8pcs



L:1750×W1091mm 16pcs



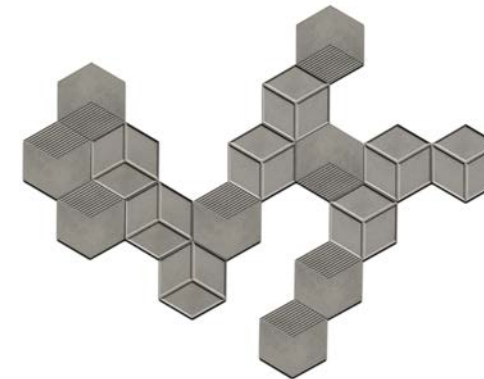
L:1539×W1091mm 16pcs



L:1327×W728mm 8pcs



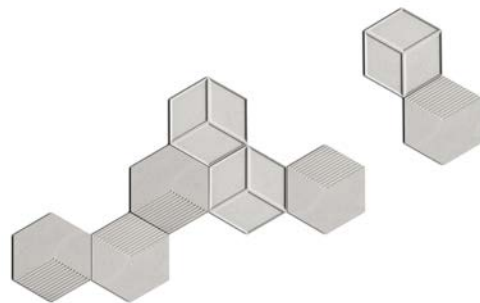
L:1327×W728mm 8pcs



L:1697×W1330mm 16pcs



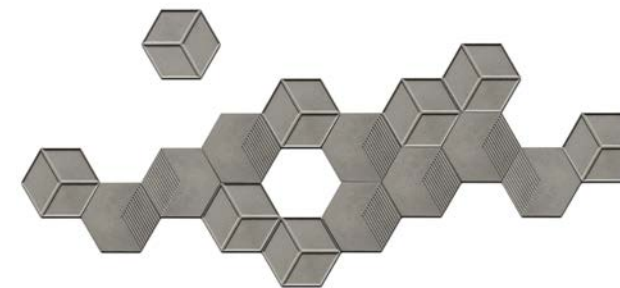
L:1960×W970mm 16pcs



L:1455×W910mm 8pcs



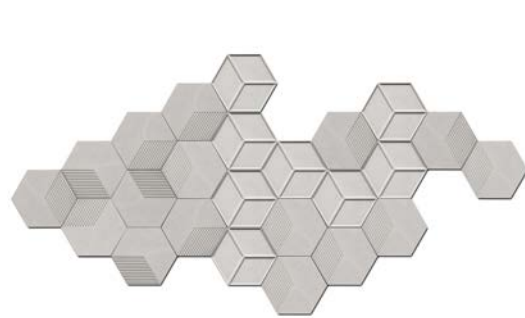
L:1327×W728mm 8pcs



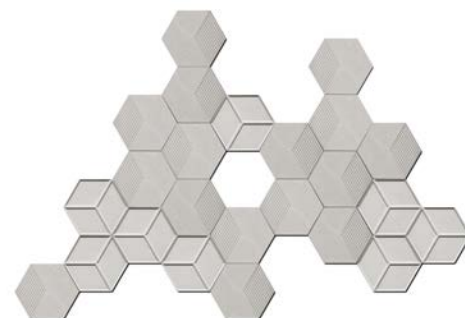
L:2169×W970mm 16pcs



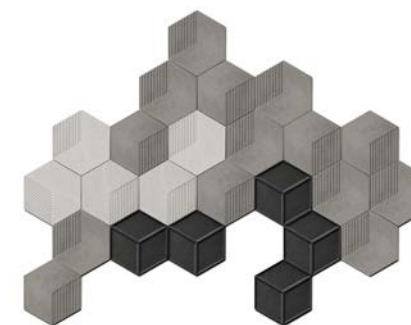
L:1749×W970mm 16pcs



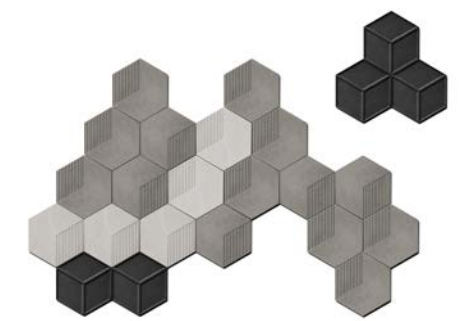
L:2170×W1091mm 24pcs



L:1960×W1334mm 24pcs



L:1697×W1330mm 24pcs



L:1697×W1330mm 24pcs





78 39  
≈ 5.8m<sup>2</sup>



混凝土美学

混凝土是一种极具独特个性与自然特性的材料。每一件个体都因其与众不同的表皮结构与肌理而显得独特。由此, 每件混凝土产品的颜色并不会相同, 它会随着制作的天气、温度、环境湿度, 以及使用时长而发生变化。

另外, 混凝土表面自然散布着细腻微小的气孔。气孔的存在并不会限制产品的功能作用。确切来说, 这种特质愈加彰显了混凝土的自然气质与强烈个性, 也是我们保留其存在的缘起。

使用与保养

混凝土本身是一种易脆的材料, 在日常使用过程中, 应避免硬物撞击与刮划。

材料表面涂刷了一层防水防污保护剂, 如在使用过程中产生污迹, 及时用湿毛巾清洗干净即可, 应避免使用砂纸或百洁布等会破坏保护涂层的清洁工具, 以免影响保护涂层的时效性和防水防污性。正常情况下使用, 涂层效果可保持 3-5 年。

购前须知

混凝土产品不建议长期置于处于潮湿状态下, 如卫浴空间, 对于防污要求高的空间, 也应谨慎选择。

CONCRETE ATHESTICS

Concrete is a natural material with very unique characteristics. Every individual piece is distinguished by an individual surface structure and texture and is thus unique. The color never stays the same. It changes with the weather, temperature, humidity of production environment, and over the duration of use.

In addition, there are many fine and small pores naturally scattere across concrete surface. Pores do not represent any limitation to its functionality. Precisely these pores highlight its aesthetic temperament and its strong personality. And that's our very first reason to keep it.

USE AND CARE

Concrete is a fragile material and should be avoided from impact and friction of hard objects.

The surface has been applied a waterproof and anti fouling coating. Any stains in use can be cleaned with a wet towel in time.

Any kind of cleaning tools that will damage protection coating should be avoided, such as abrasive paper, scouring pad and so on, in order to maintain the timeliness and function of protection coating.

The protection coating can be maintained 3-5 years under normal use.











BEFORE PURCHASE

Concrete products should aviod prolonged exposure to dampness, such as bathroom.

Cautious to choose for spaces of high anti fouling requirement.

MATERIAL PERFORMANCE

材料性能

									
抗压强度 The compressive strength	抗折强度 Flexural strength	抗冲击强度 Impact strength	密度 Density	吸水率 Bibulous rate	防火等级 Fire rating	抗渗性 The permeability resistance	抗冻性 Frost resistance	莫氏强度 The intensity of Morse	尺寸精度 Dimensional accuracy
85.3mpa	24.3mpa	15.2mpa	2250kg/m³	3.8%	AP	6	F50	5	±1mm



微信 · wechat

- Wed: [www.bentudesign.com](http://www.bentudesign.com)
- Tel: +8620 89770506
- Wechat: bentudesign
- Instagram: bentudesign
- Email: [info@bentudesign.com](mailto:info@bentudesign.com) / [press@bentudesign.com](mailto:press@bentudesign.com)



