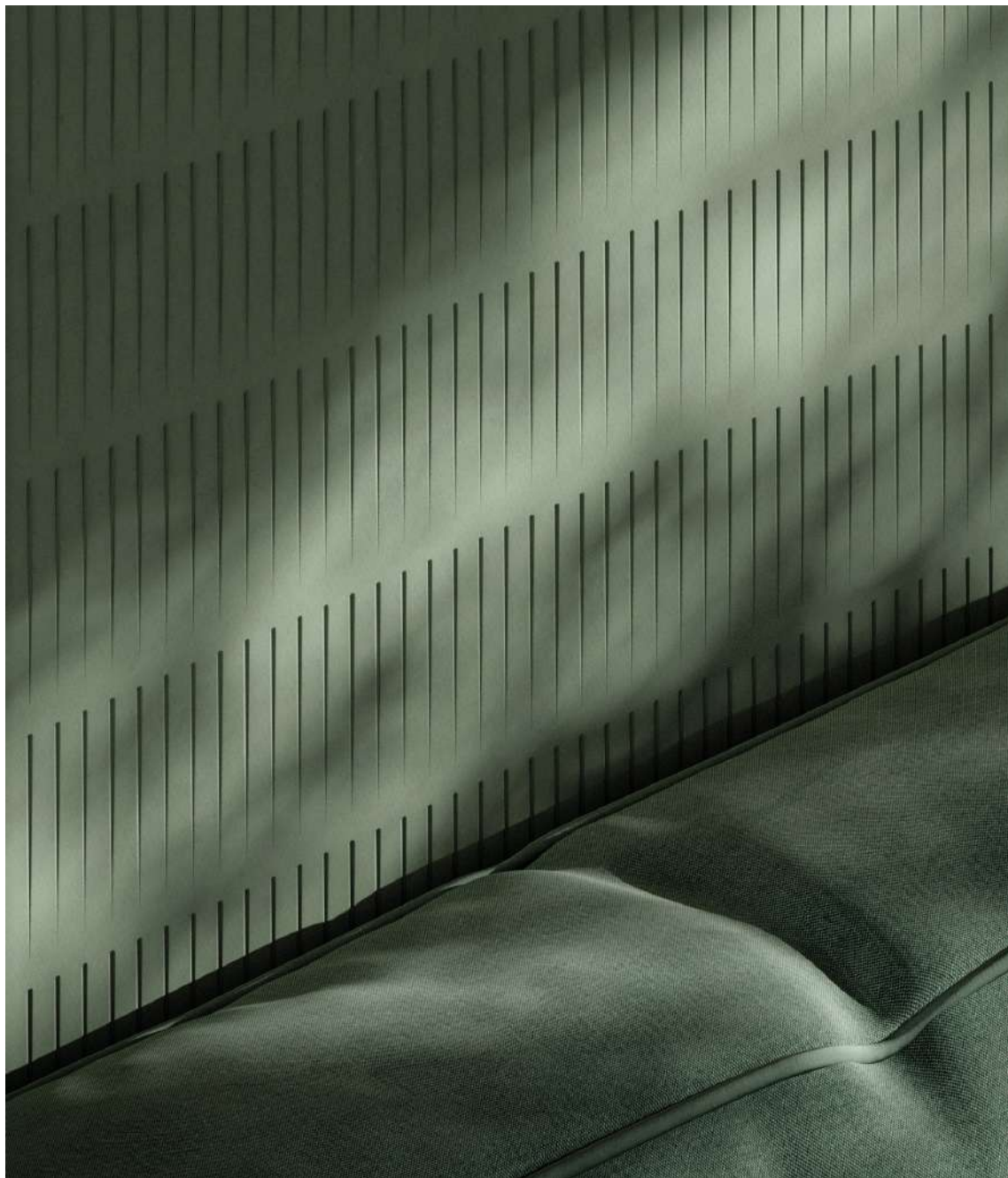


ALTED[®]

Paper Waste Panels

Product Catalogue



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Materials account for 1/2 of architectural CO₂ emissions

At Altéd® we recognize the impact of materials in the construction sector – and believe that regenerating the industry is the only way forward. We design architectural products from innovative, climate-conscious materials that combine beauty and functionality while rooted in the principles of the circular economy.



722 kg of waste = 100 m² of Paper Waste Panels

Our first collection Paper Waste Panels is a series of decorative wall and ceiling panels for interior use. Made from waste – discarded plant-based resources – the panels are non-toxic, 100% recyclable in a closed loop, and have a low embodied carbon profile, achieving a balance between aesthetics, performance, and minimal environmental impact.





Our panels use HONEXT® as their base material – a carbon-negative board made from paper industry waste¹ and post-consumer cardboard. HONEXT® upcycles waste cellulose fibres into fully recyclable, non-toxic boards through a certified circular process². Their facilities, built within a landfill, are located just 50 km from Alted®'s production site.

¹ Today, paper accounts for 26% of landfill waste and 33% of municipal waste. Data source: Paper Waste Facts by The World Counts.

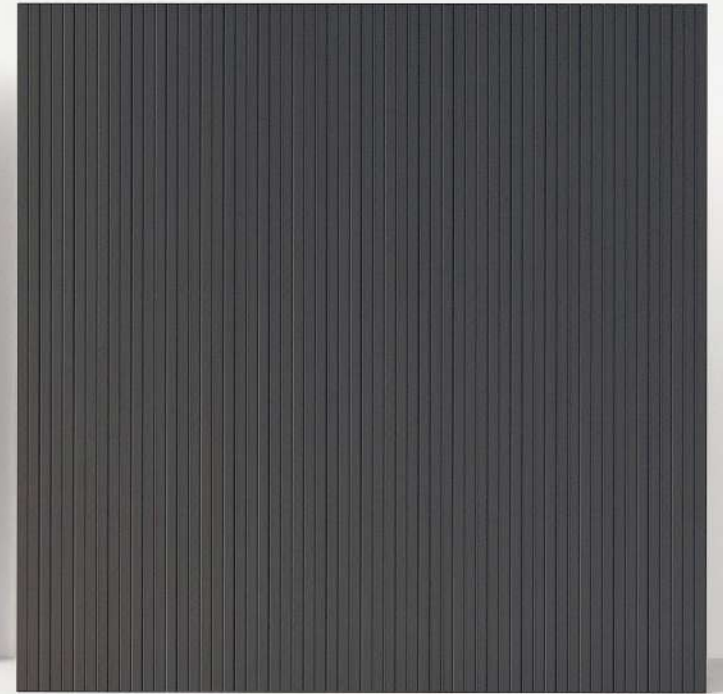
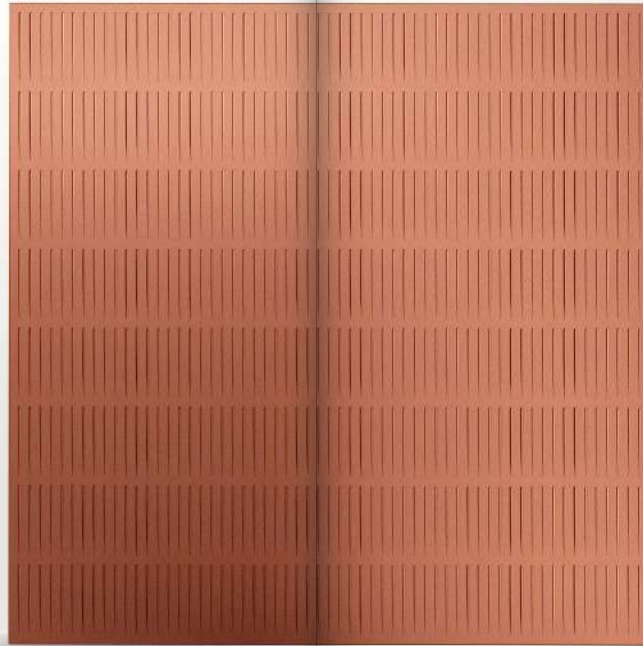
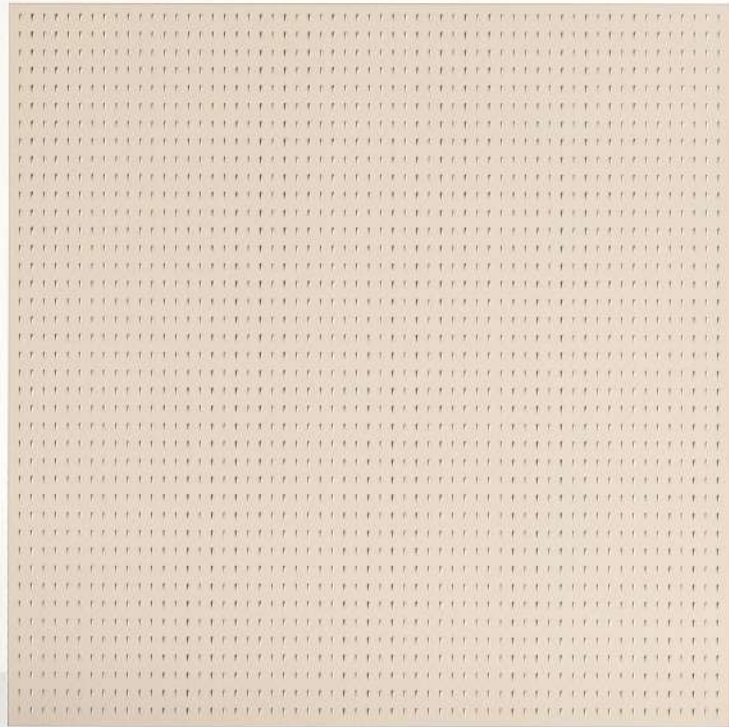
² The HONEXT® board has an overall Cradle to Cradle certified at Gold Level, and also Gold in Material Health™.



We choose Iridea Bio coatings by ICA Lab, made with up to 75% water and bio-resins derived from vegetable waste³ from the food industry that is not fit for human consumption. Recognized for its eco-innovation, the Iridea Bio line is manufactured through a production cycle that drastically reduces CO₂ emissions⁴.

³ The UL's Environmental Claim Validation (ECV) attests the exact percentage of renewable content in IRIDEA BIO coatings.

⁴ 1,000 kg of IRIDEA BIO allow to save 660 kg of CO₂, which is equivalent to the CO₂ emissions of a car traveling 5,500 km.



PERFORMANCE

 Waste-based 98% of recycled content	 Plant-based 80% of the raw material	 Recyclable 100% in the same loop
 Non-toxic A+ air quality, no added VOCs	 Reduced CO ₂ E Low embodied carbon profile	 Local production Sourcing and manufacturing within a 50km radius
 Aesthetical variations 3 patterns, 5 colours and customization options	 Easy to install Standard format and installing systems	 Easy to clean and to maintain, using a moist or dry cloth

At Altéd[®], we developed the Paper Waste Panels collection by combining a unique set of industrial processes that harden and seal the material's surface while shaping the aesthetics of the product.

Paper Waste Panels are long-lasting, versatile, easy to install, and easy to maintain, and they aim to improve the sustainability profile of the built environment in which they are placed.

WE DESIGN

FROM CIRCULAR MATERIALS

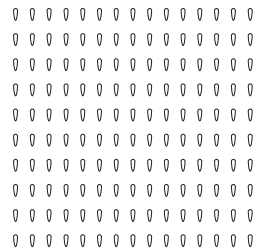
CHARACTERISTICS

Name and code	Paper Waste Panels – Altéd [®] H01
Main raw material	Paper industry waste and post-consumer cardboard – HONEXT [®]
Coating	Bio-resins extracted from plant-based waste – Iridea Bio
Area of use	Interior walls and ceilings
Installation	French cleat, z-clip, glue, screws
Size	600x600 mm ±1mm
Thickness	8mm ±0,5mm
Density	790 ± 10 kg/m ³
Weight	2,3 kg/panel
Fire reaction	C-s1,d0. Available in B-s1,d0 from Q4 2025
VOCs	A+ air quality (Grenelle Law)
Acoustic absorption	0,15 α _w
Hardness	Shore A: 6 ± 1
Resilience (rebound)	14,7 ± 2,3%
Flexural strength	6,3 ± 0,9 MPa

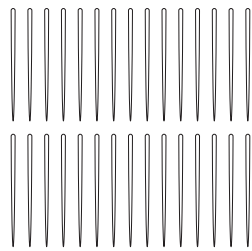
¹Altéd[®]'s facilities are just 50 km from the site where waste paper is sourced and HONEXT[®] boards are made, while Iridea Bio coatings are produced in Italy. Due to the waste origin of the raw materials, accurate traceability is unattainable.

PATTERNS

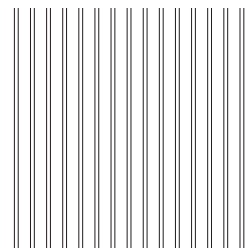
The designs are debossed on the panel's surface, creating a variety of shadow effects. With a sense of direction, the aesthetic possibilities are endless. Our technology allows for pattern customization¹.



GOTA
H01G



RATLLA
H01R



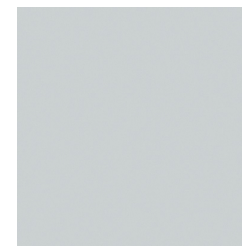
LINIA
H01L

¹Do you have a project with the need of certain aesthetics? Depending on the dimension and the scope of the project, we can offer guidance and technical assistance to produce your own designs.

²The custom coloring will be free of charge for orders bigger than 50 m² – if less, there will be a small additional charge.

COLORS

The three patterns can be ordered in the following five colors – or any color of choice by providing an NCS code². Because the Paper Waste Panels are made from waste, slight variations in color may occur.



CIMENT
NCS S 1502-B



NATURAL
NCS S 2005-Y



TEULA
NCS S 3040-Y60R

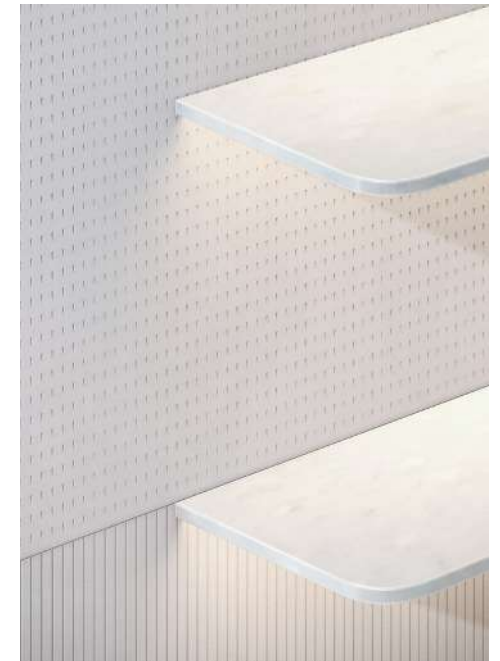
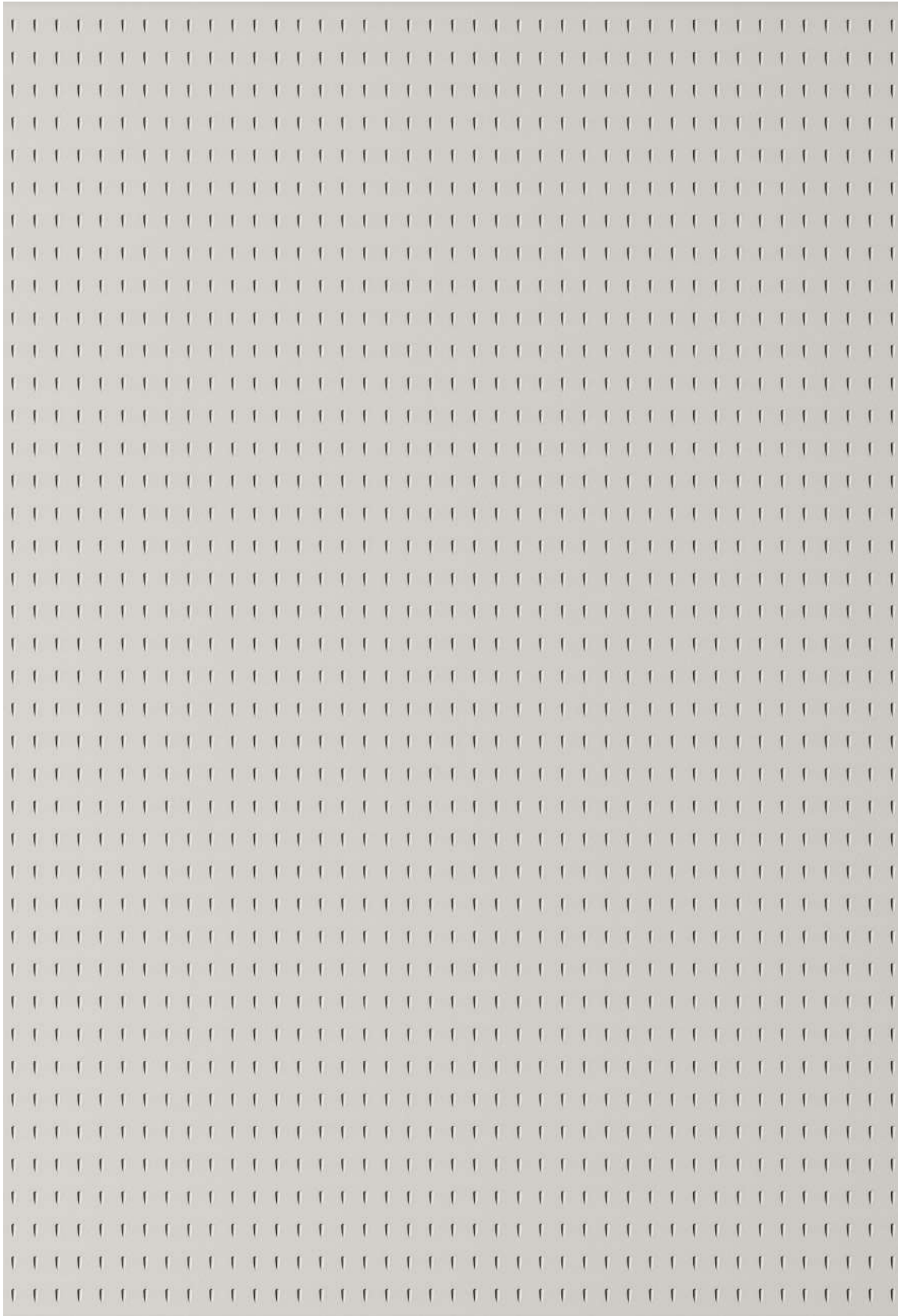


OLIVA
NCS S 5010-G10Y

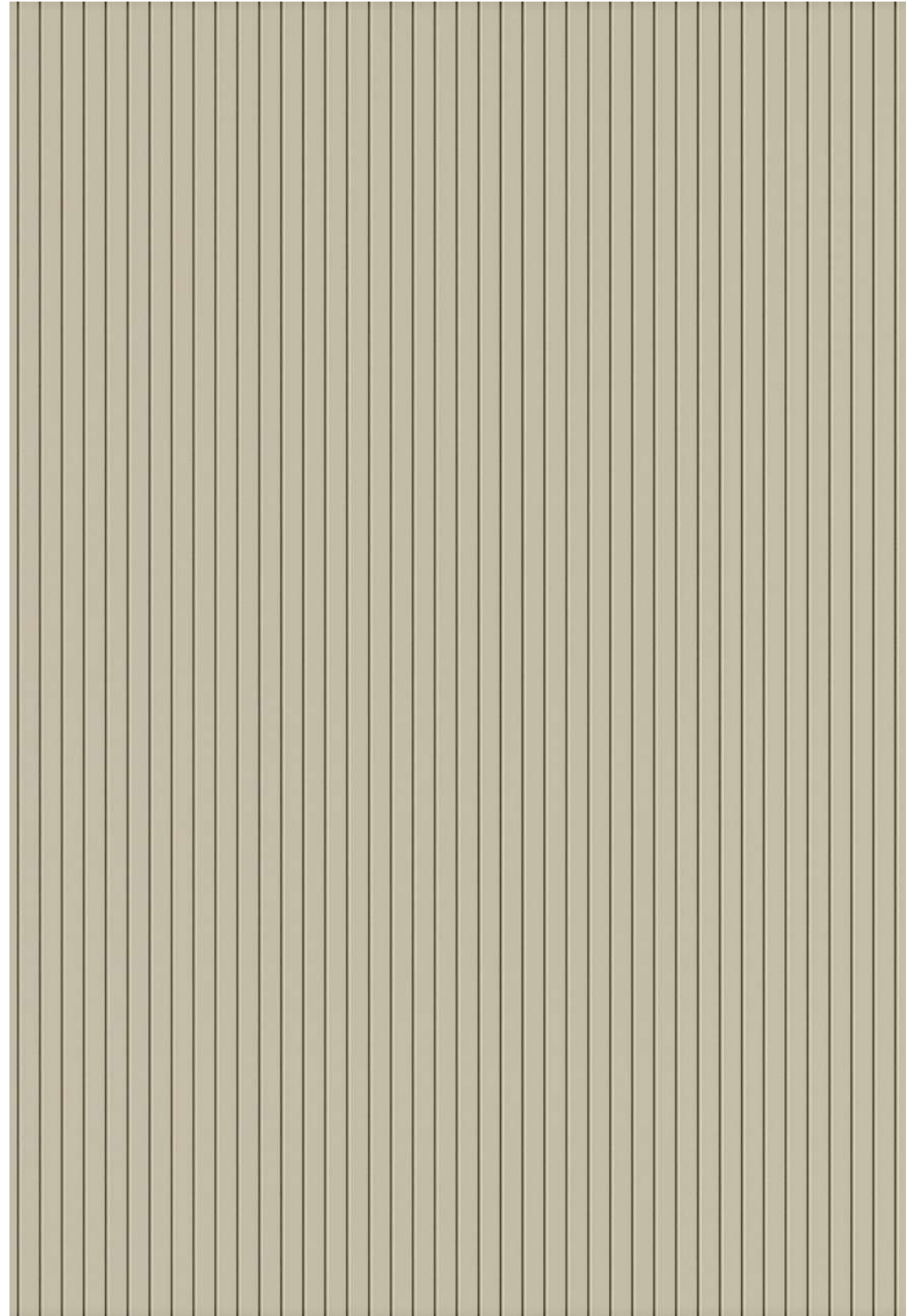


GRAFIT
NCS S 8000N

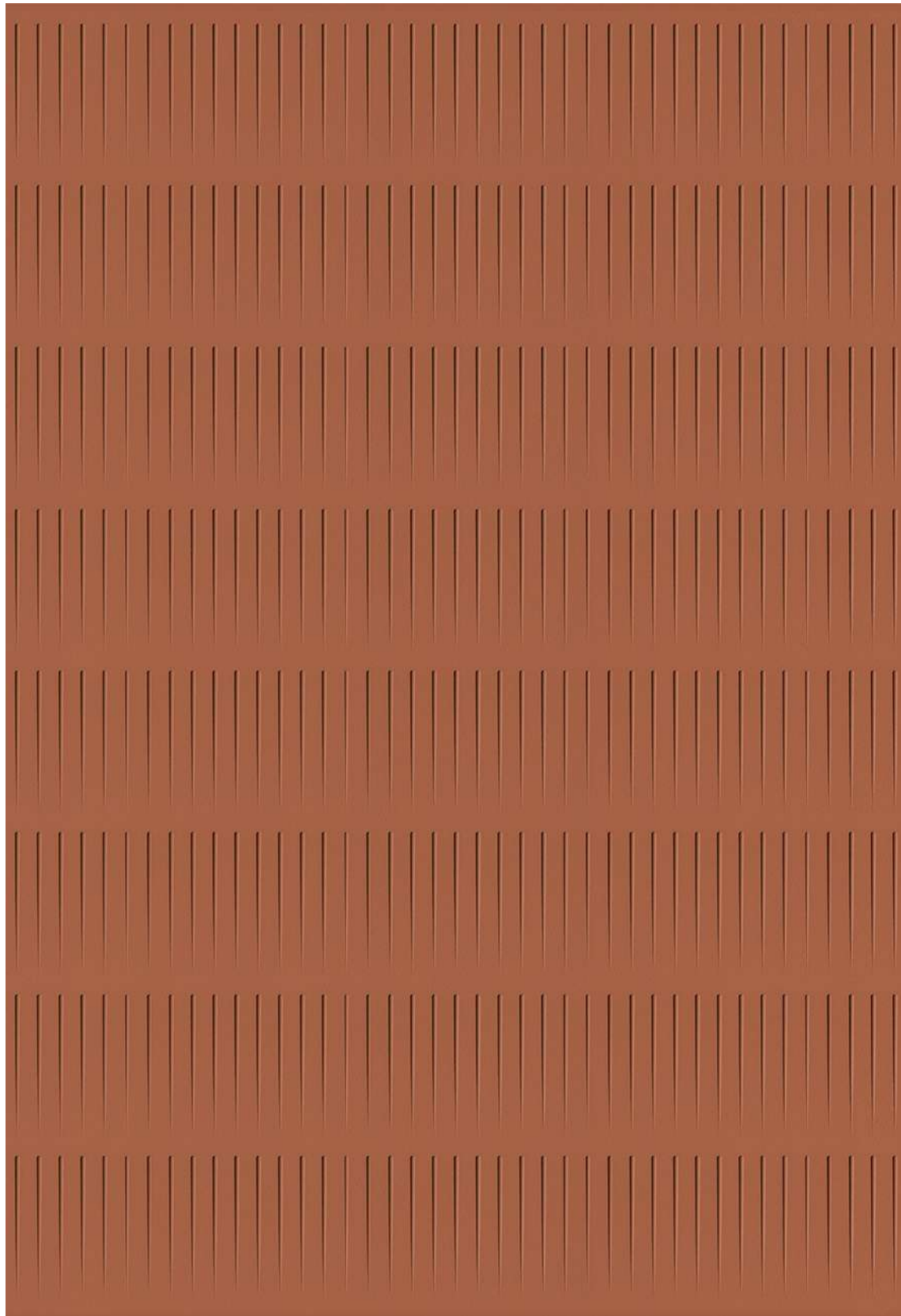
INSPIRATION



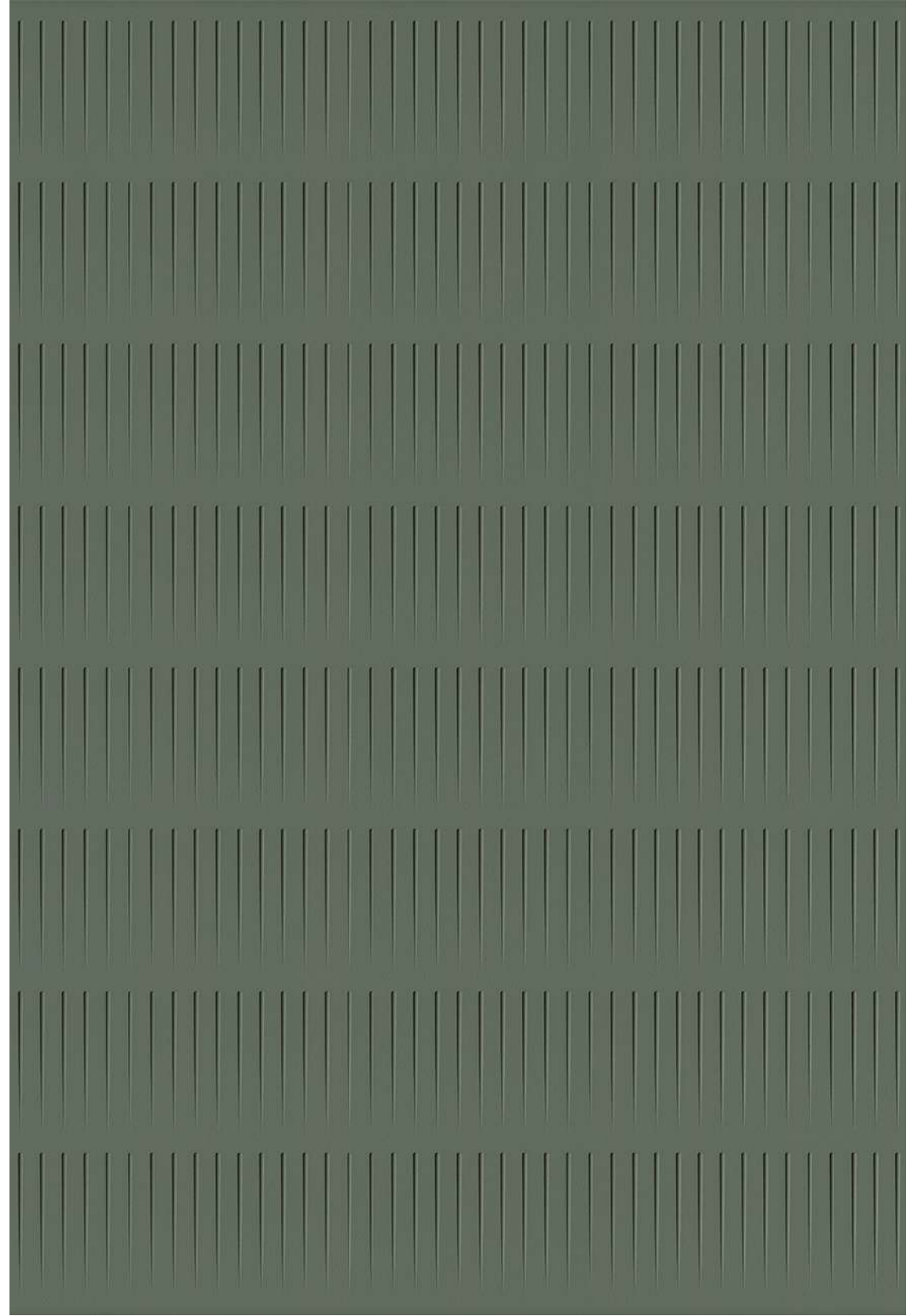




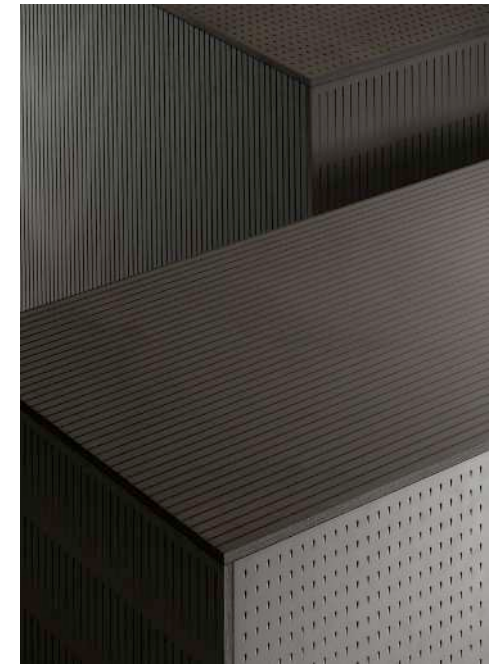
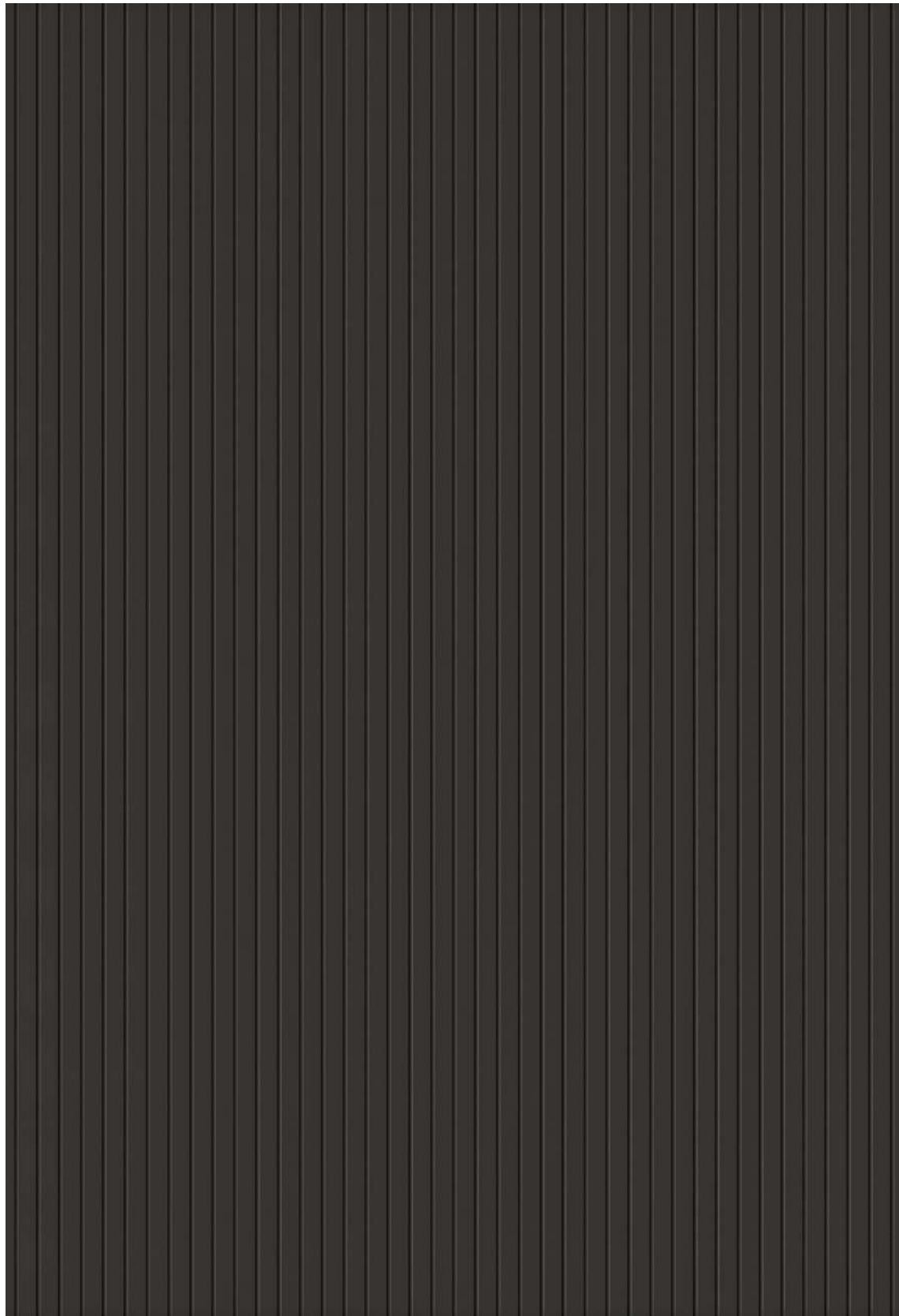














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