



300x300 mm

Kool Roof Tiles

101% Solar
Reflectance
Index

www.kyrosceramic.com

Kyros Ceramics: Blending Legacy with Innovation in the Heart of India's Ceramic Hub

Kyros Ceramics Pvt Ltd, a dynamic newcomer to the ceramic industry, is poised to make a significant impact with its commitment to quality, sustainability, and customer-centric solutions. Kyros Ceramics is built on a foundation of unparalleled experience and a vision for creating spaces that inspire and endure.

The foundation of Kyros Ceramics lies in the vision of its promoters, pioneers who were among the first to establish a ceramic business in Morbi, Gujarat, the heart of India's ceramic industry, back in 1986, an experience of more than 5 decades in the tile industry. Their deep understanding of the market, coupled with invaluable experience gained from senior management roles at corporate giants like Asian Paints limited, Kansai Nerolac Paints limited & Prism Johnson Limited, brings a wealth of sales and marketing expertise to the forefront. This blend of entrepreneurial spirit and corporate acumen allows Kyros Ceramics to perfect the art of creating exceptional ceramic solutions that seamlessly blend functionality with stunning design. By investing in Kyros Ceramics, stakeholders are benefiting from over half a century of tile-making excellence.

Kyros Ceramics specializes in a wide variety of products to cater to diverse needs, including high-quality tiles, advanced adhesive solutions, durable grouts, and stylish bath ware. This extensive product line ensures the company can meet the demands of both residential and commercial projects, providing tailored solutions for every specific requirement. With a strong legacy rooted in the art of tile-making, the company invites customers to explore its extensive product range and experience firsthand how Kyros Ceramics can help them achieve their design and construction goals.

A Comprehensive Product Portfolio:

Kyros Ceramics specializes in an array of high-quality ceramic products designed to meet diverse aesthetic preferences and functional requirements, including:

- **Tiles:** A diverse selection catering to various styles and applications.
- **Adhesive Solutions:** Advanced products engineered for optimal performance and long-lasting durability in tile installation.
- **Grouts:** Durable options that ensure longevity and enhance the aesthetic appeal of both residential and commercial projects.
- **Bath Ware:** Stylish and functional solutions designed to elevate the beauty and utility of bathroom spaces.

A Commitment to Quality, Sustainability, and Customer Satisfaction:

Kyros Ceramics is built on a strong foundation of core values. The company is dedicated to upholding the highest standards of quality across its product line, ensuring performance and durability. Recognizing the importance of environmental responsibility, Kyros Ceramics is committed to incorporating sustainable practices throughout its entire supply chain, from sourcing to delivering finished products.

Grounded in Core Values

Kyros Ceramics' success is built on a foundation of core values:

1. **Customer-Centric Approach:** Placing customers at the heart of everything, striving to understand and meet their unique needs.
2. **Integrity:** Upholding the highest standards of integrity in business practices, ensuring transparency and trust with stakeholders.
3. **Innovation:** Embracing change and integrating the latest technologies and trends into product offerings.
4. **Sustainability:** Promoting eco-friendly practices that contribute to a sustainable future for the industry and the planet.

Kyros Ceramics Pvt Ltd is more than just a supplier; it is a dedicated partner committed to helping customers achieve their design and construction goals. With a legacy of experience, a unwavering commitment to quality, and a forward-thinking vision for innovation and sustainability, Kyros Ceramics invites you to explore its extensive range of products and discover how they can transform your spaces.

Join the Kyros Ceramics Movement:

Explore the world of Kyros Ceramics and discover how the company can help bring your vision for beautiful and functional spaces to life. Whether you're embarking on a residential renovation or a large-scale commercial project, Kyros Ceramics is equipped to provide the expertise and products you need to achieve your goals.

Contact Information:

For inquiries, collaborations, or to learn more about the product range, please contact:

Kyros Ceramics Pvt Ltd

8-A, National Highway, Bandhunagar, Near Makansar, Morbi, Gujarat 363641

<https://www.kyrosceramics.com>

Together, let's create spaces that inspire and endure with Kyros Ceramics



Combat the Heat with Kyros Cool Roof Tiles: Reflect Heat, Save Energy, and Protect the Planet

Tired of scorching summers and sky-high energy bills? Discover the power of Kyros Cool Roof Tiles! These innovative tiles are designed to effectively reflect solar heat, keeping your building cooler and reducing your carbon footprint.

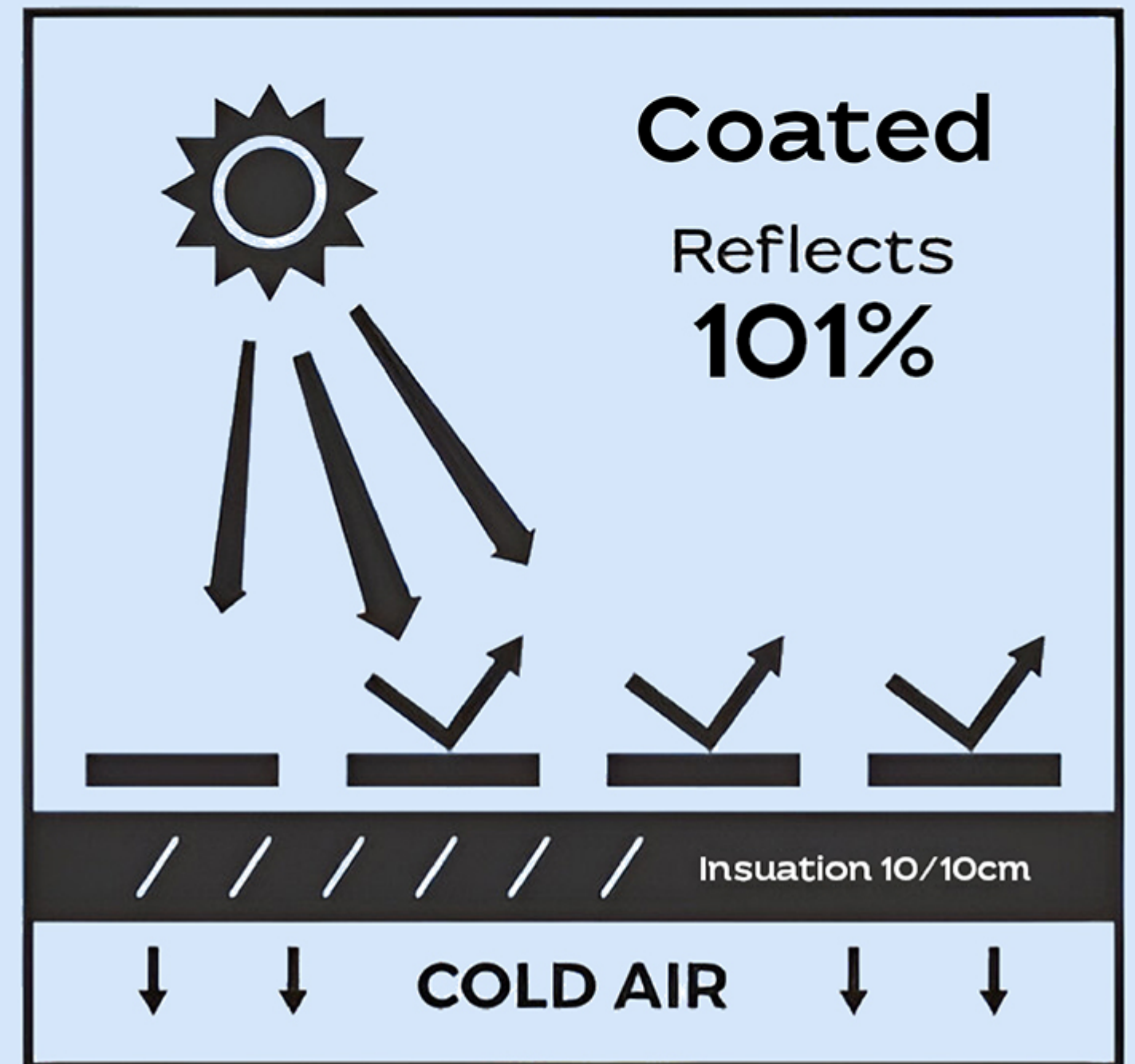
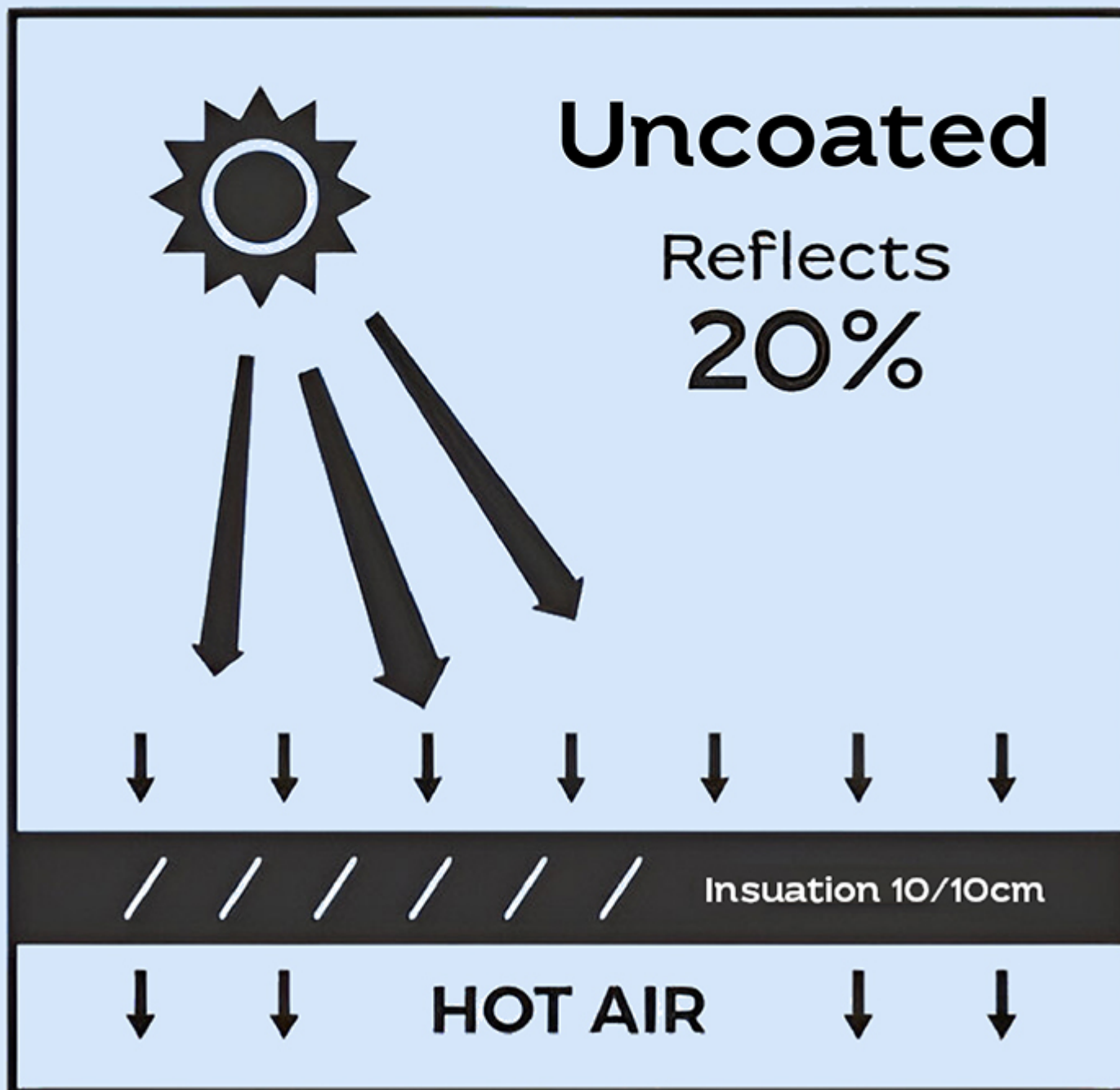
Kyros Cool Roof Tiles - The Smart Choice for a Cooler Future:

- **Superior Solar Reflectivity:** Independently accredited by LEED, Kyros Cool Roof Tiles boast a Solar Reflectance Index (SRI) value exceeding 90, far surpassing the benchmark of 78. This means they reflect significant amounts of solar heat, drastically reducing the temperature beneath your roof.
- **Energy Savings:** By minimizing the need for air conditioning, Kyros Cool Roof Tiles lead to substantial energy savings, lowering your electricity bills and contributing to a more sustainable future.
- **Safety First:** Our cool roof tile design prioritizes safety with high traction and slip resistance, providing secure footing even in wet conditions.
- **Durable and Weather-Resistant:** Characterized by exceptional moisture resistance, Kyros Cool Roof Tiles are ideal for walls and terraces, ensuring long-lasting performance and protection against the elements.
- **Environmentally Responsible:** Make a positive impact on the environment! By installing Kyros Cool Roof Tiles, you're actively contributing to the reduction of global warming and helping to protect the ozone layer.

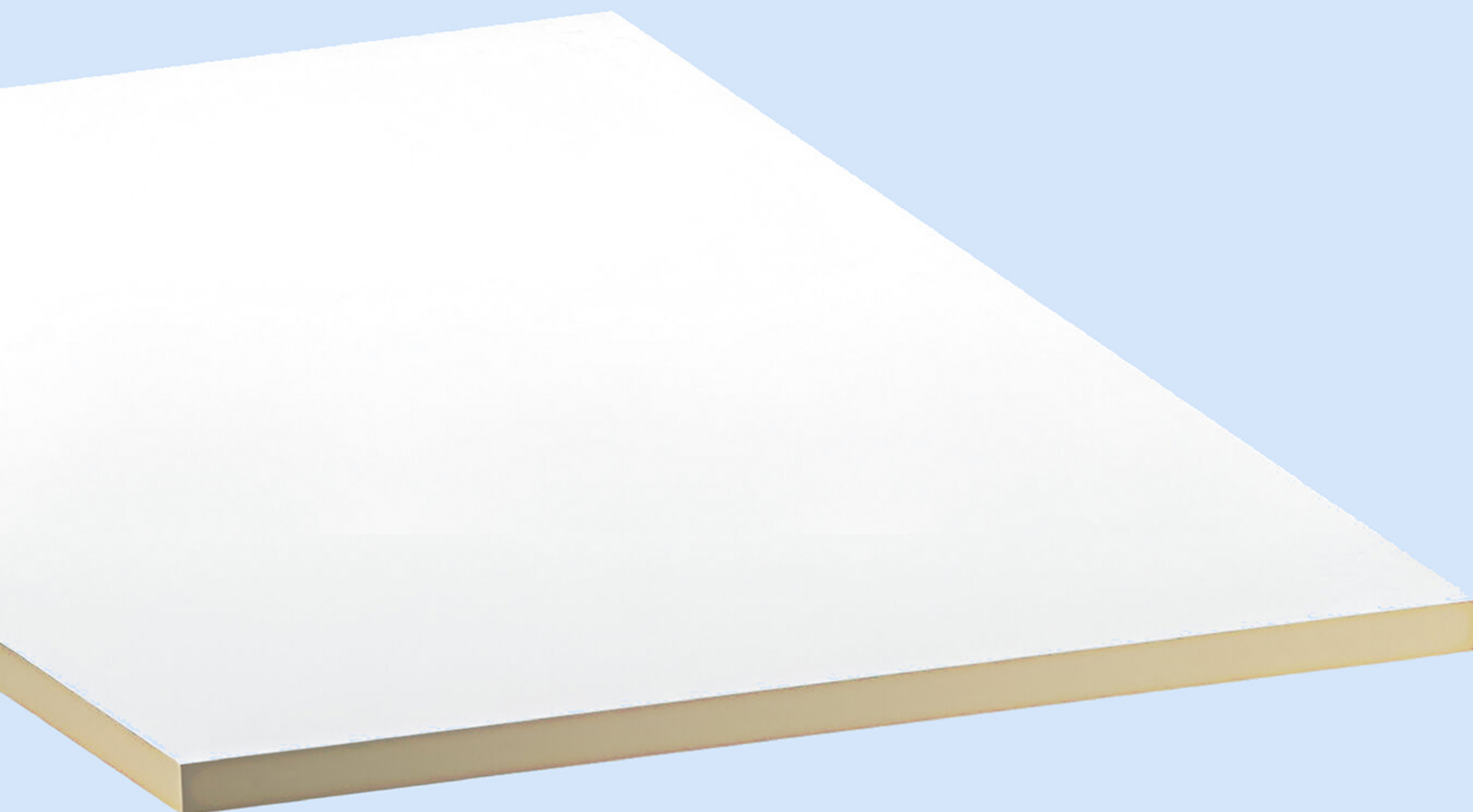
Invest in Kyros Cool Roof Tiles and experience the difference. Enjoy a cooler, more comfortable living space while saving money and contributing to a greener planet...



DIFFERENCE OF NORMAL TILES & ROOF TILES



30x30cm
Cool Roof Tile



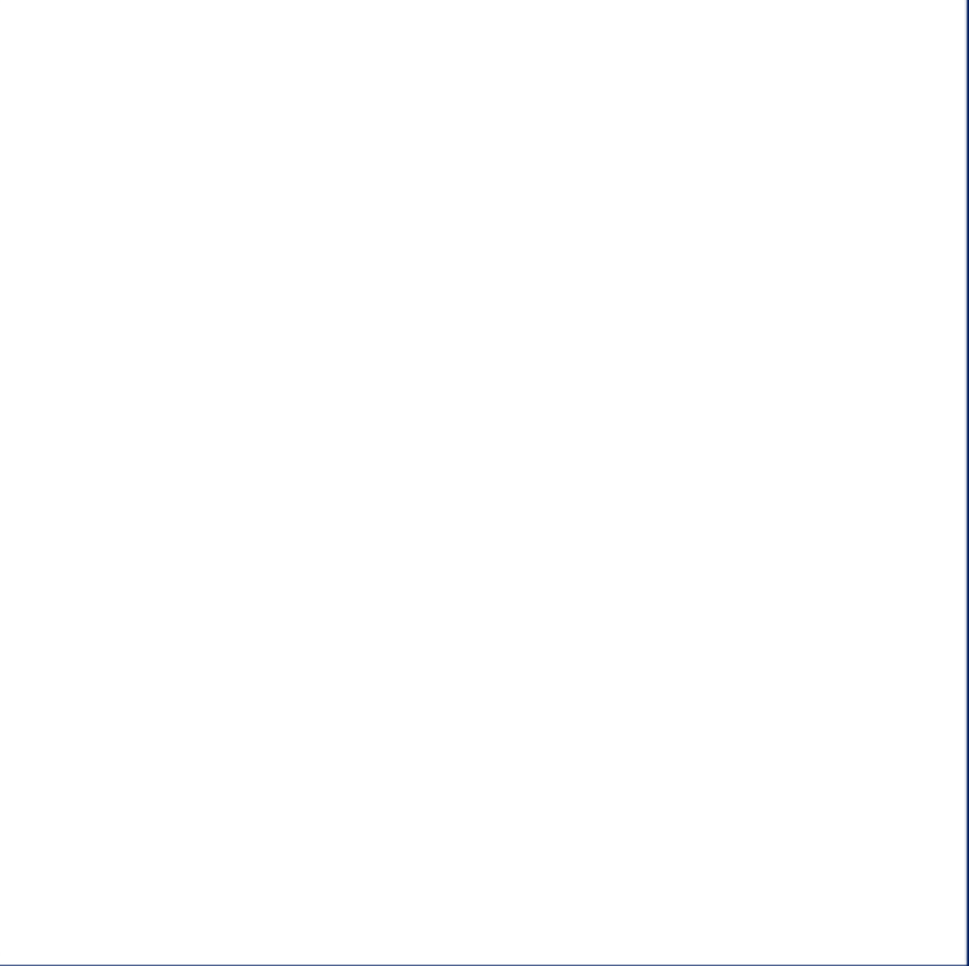
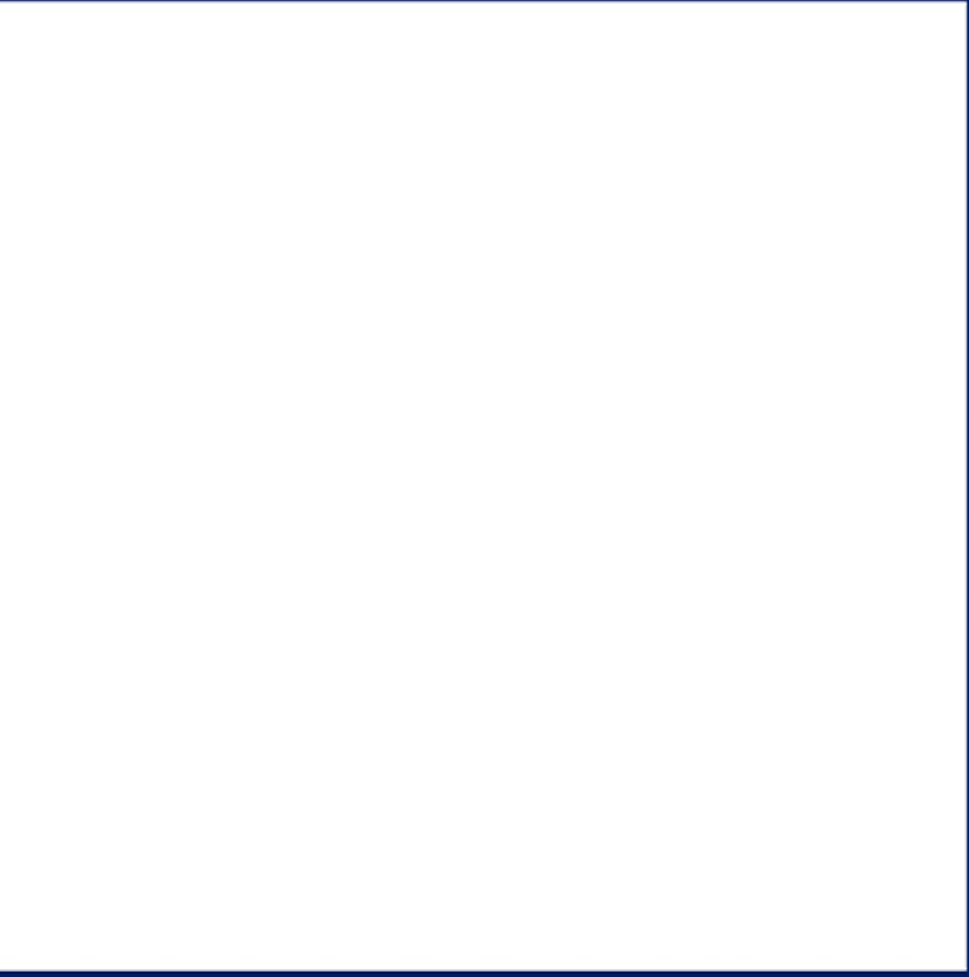
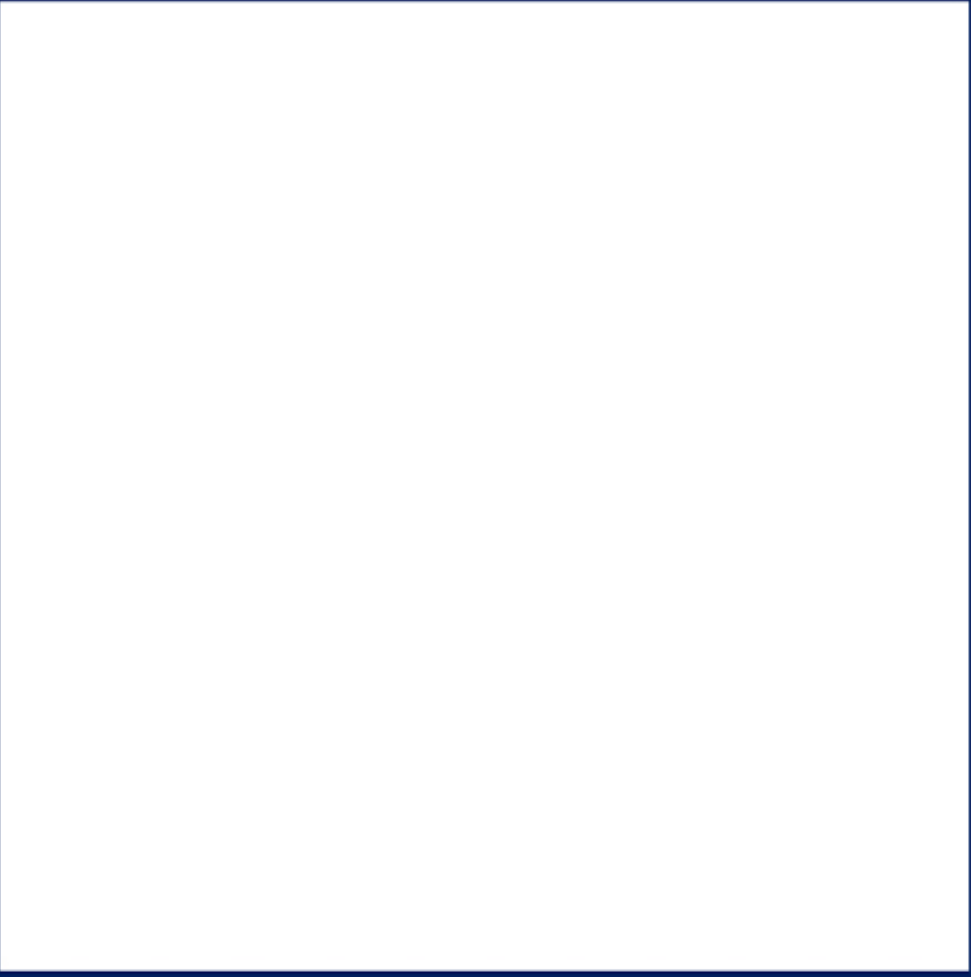


Surface

Sugar

Matt

Plain White

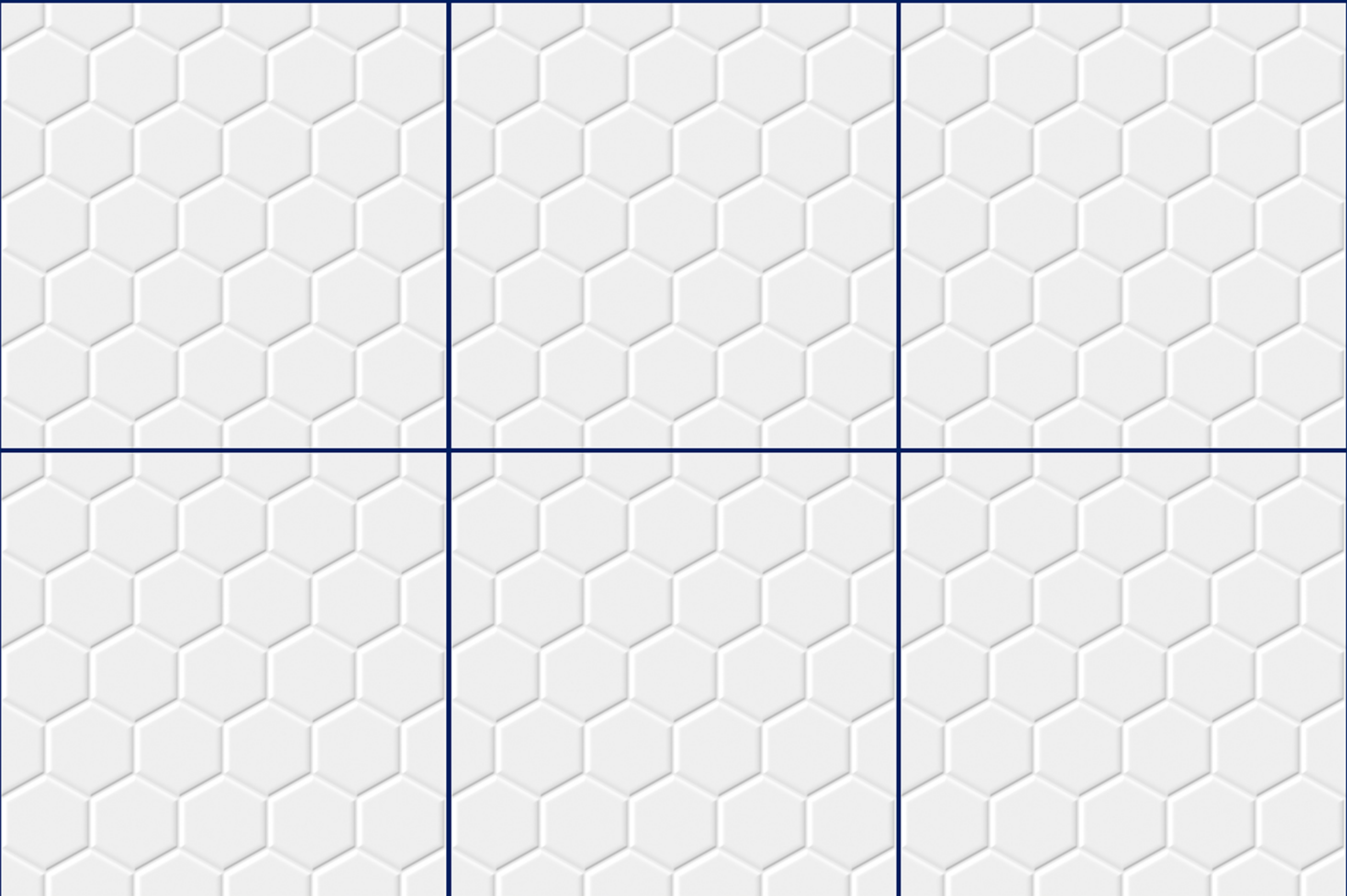




Surface

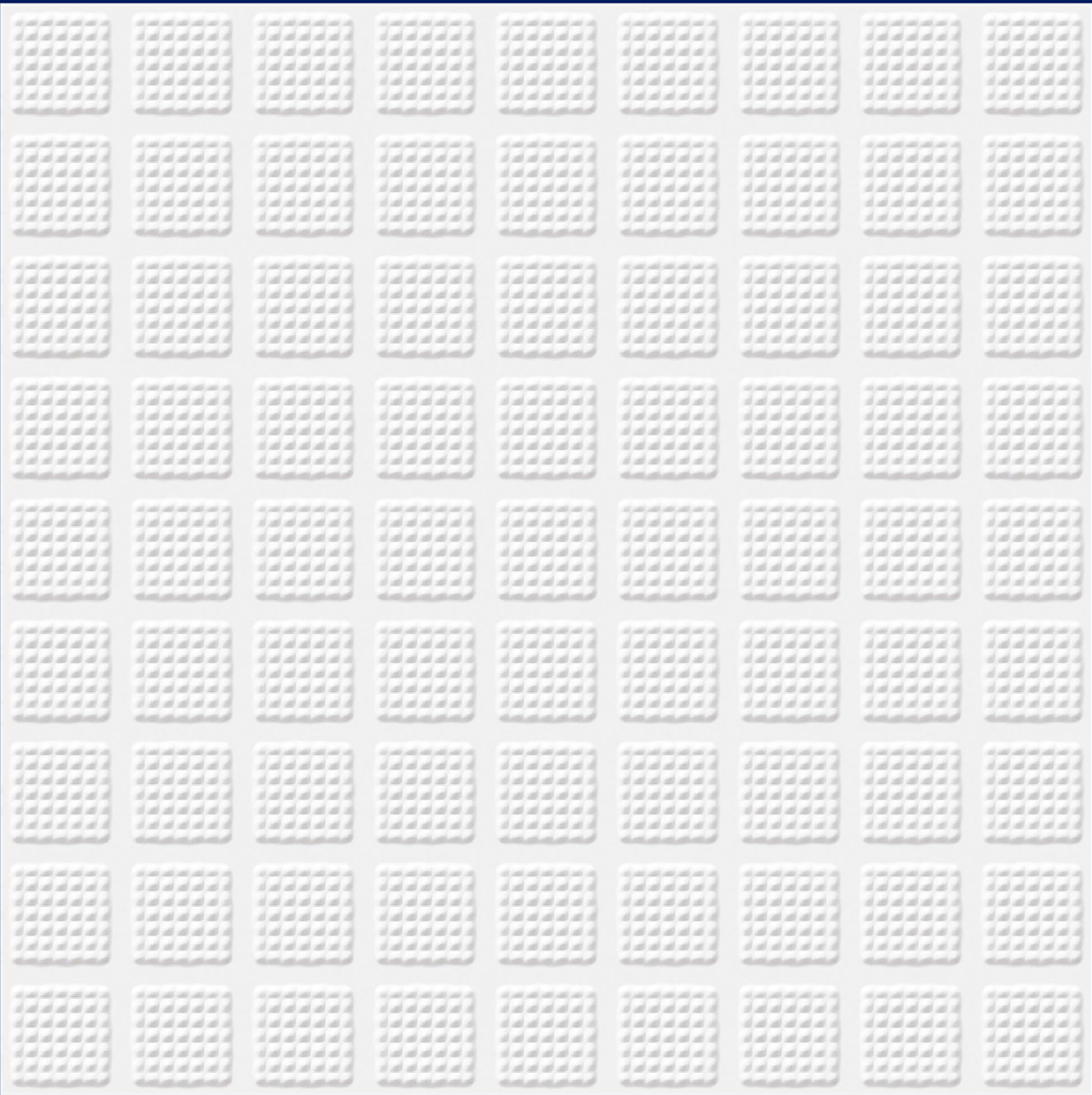
Sugar
Matt

Roof- 13



Cool Roof Tiles
300x300 mm

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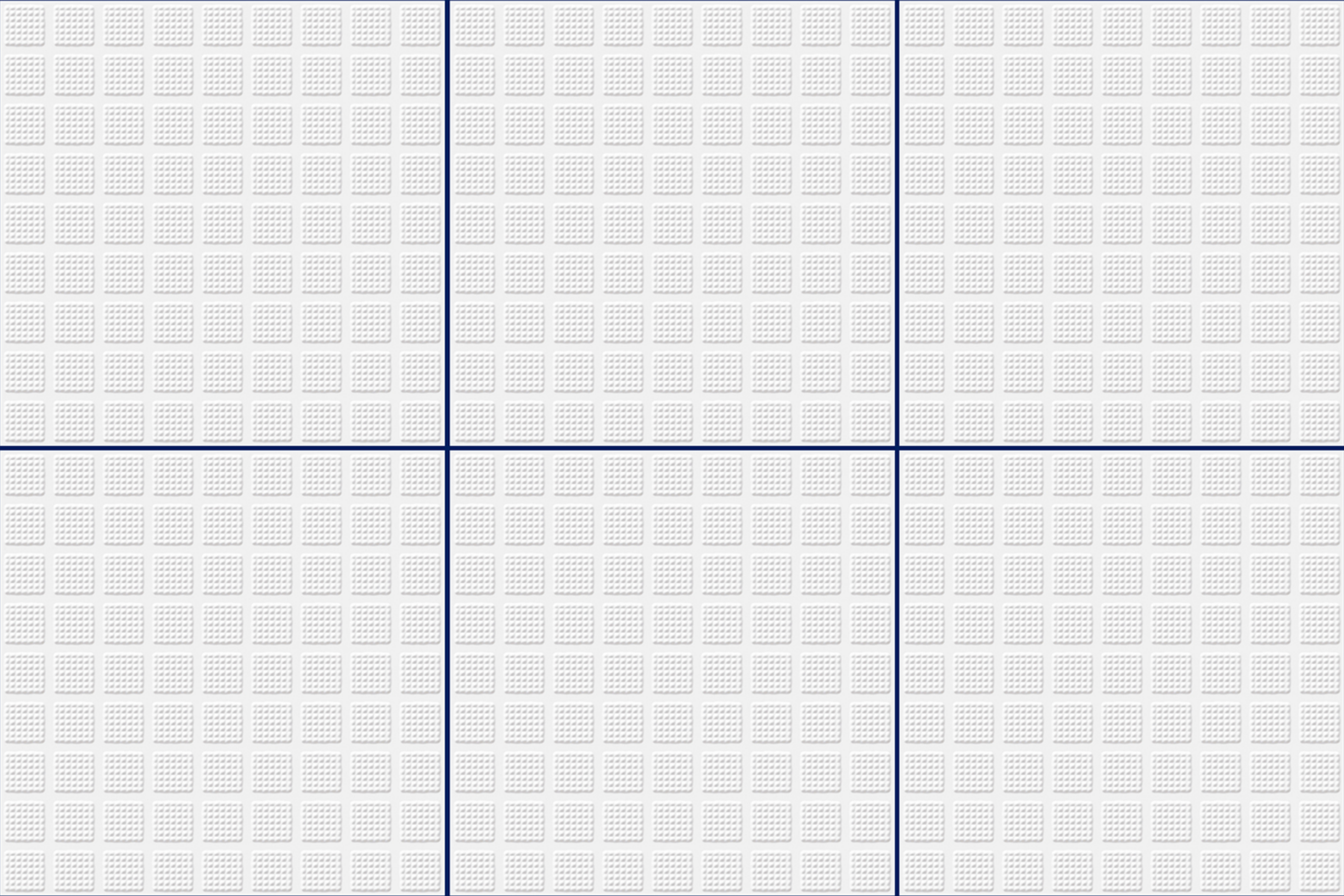


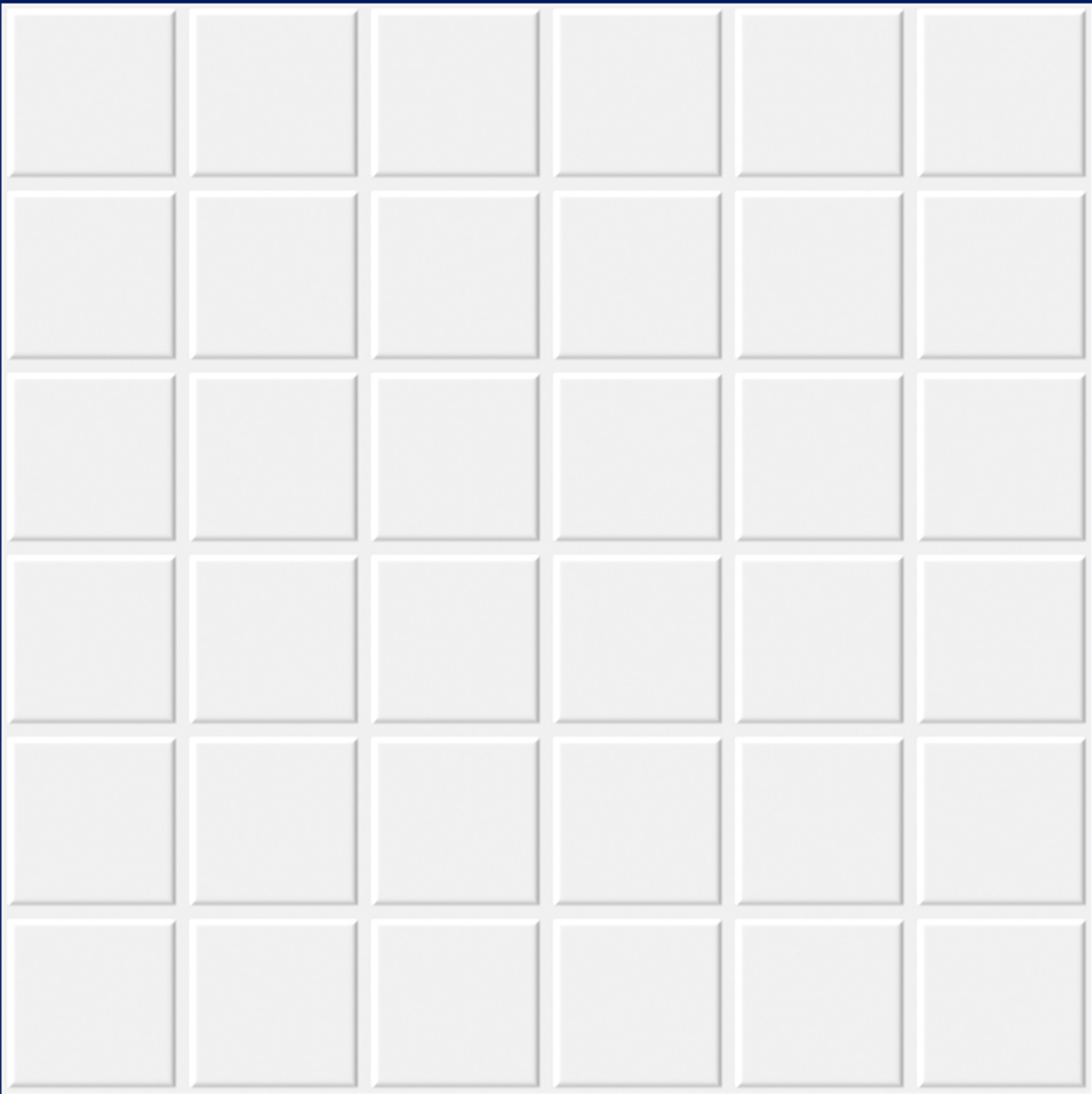
Surface

Glossy

Matt

Roof - 01

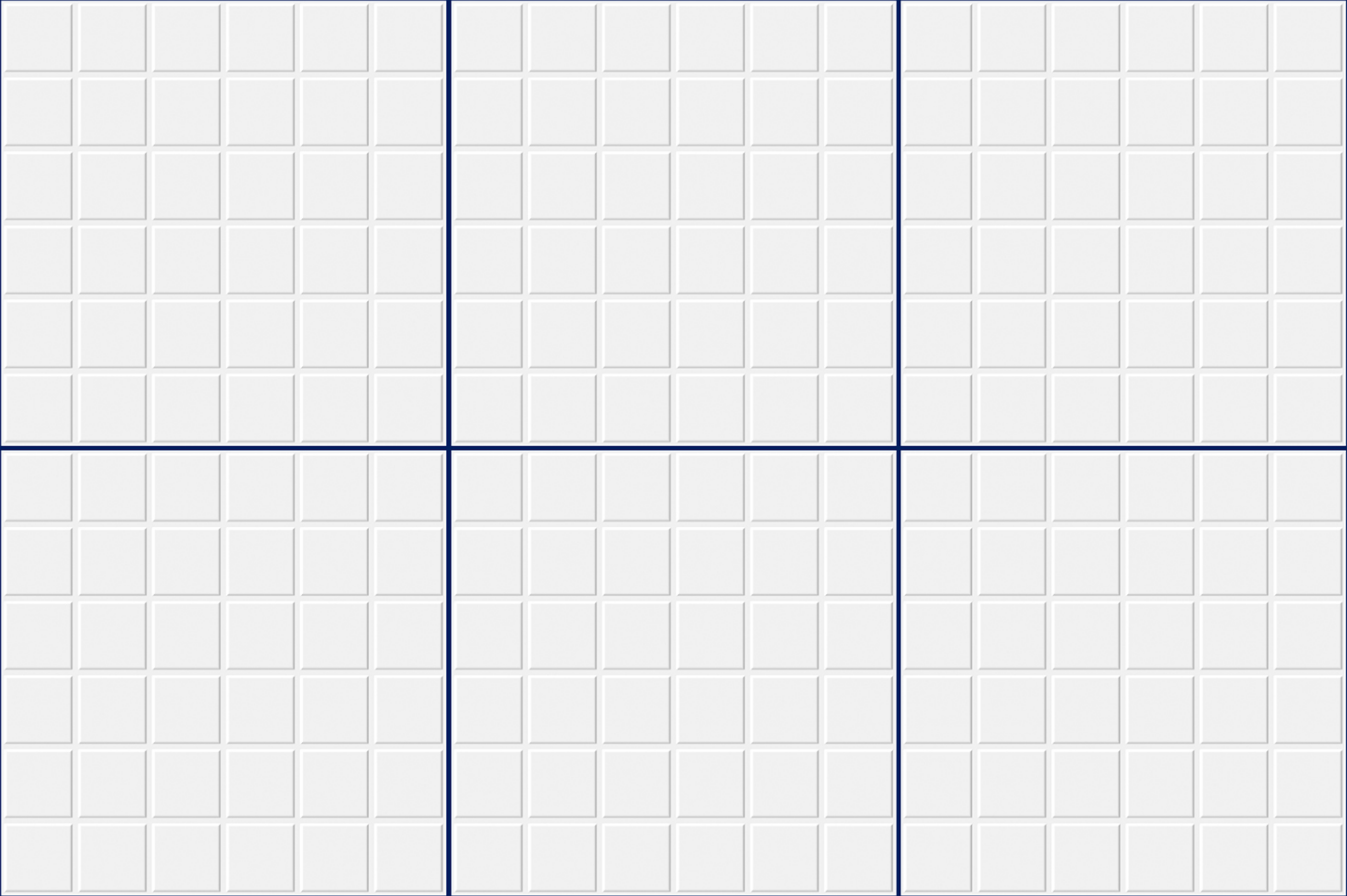


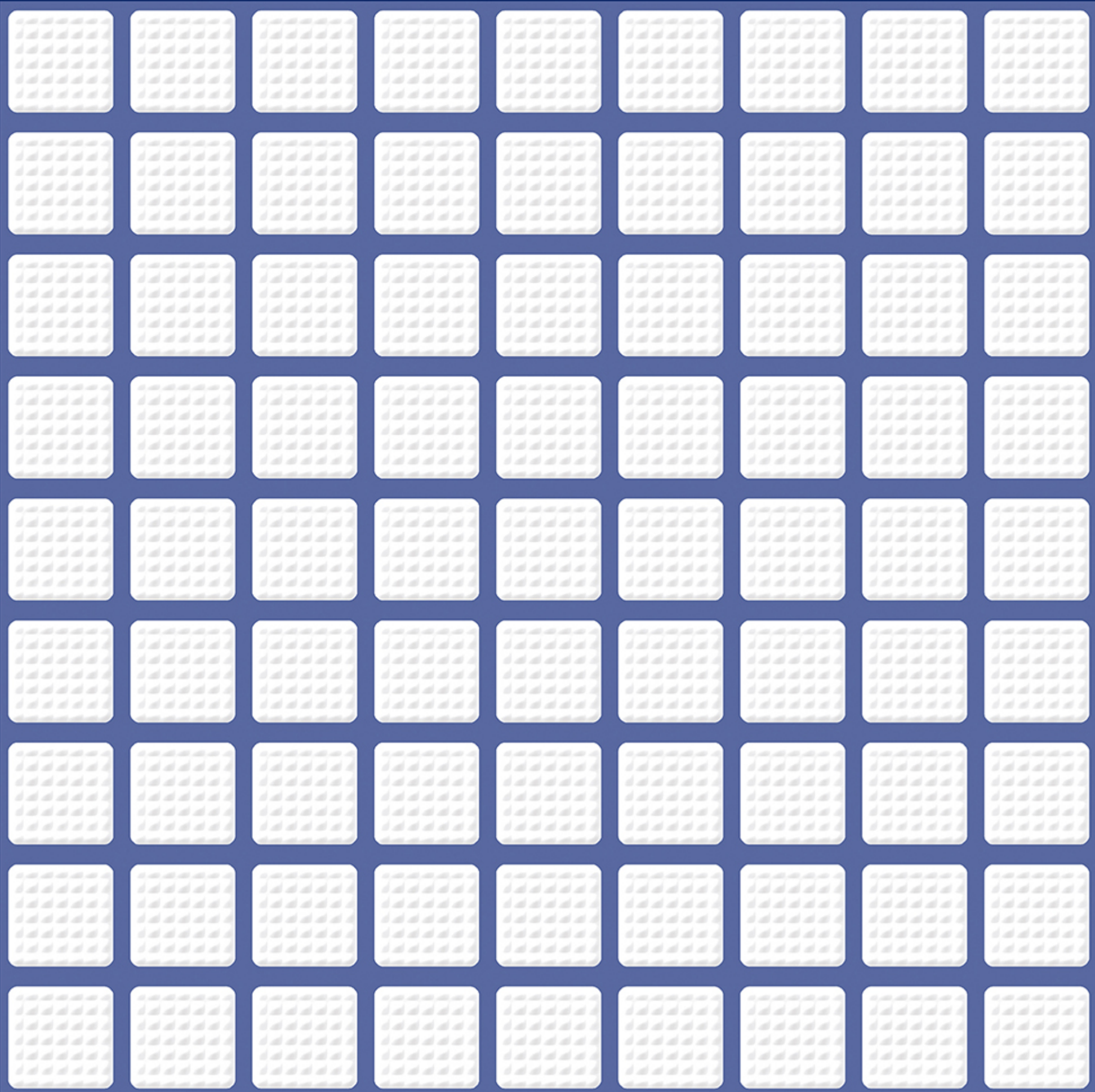


Surface

Sugar
Matt

Roof - 69



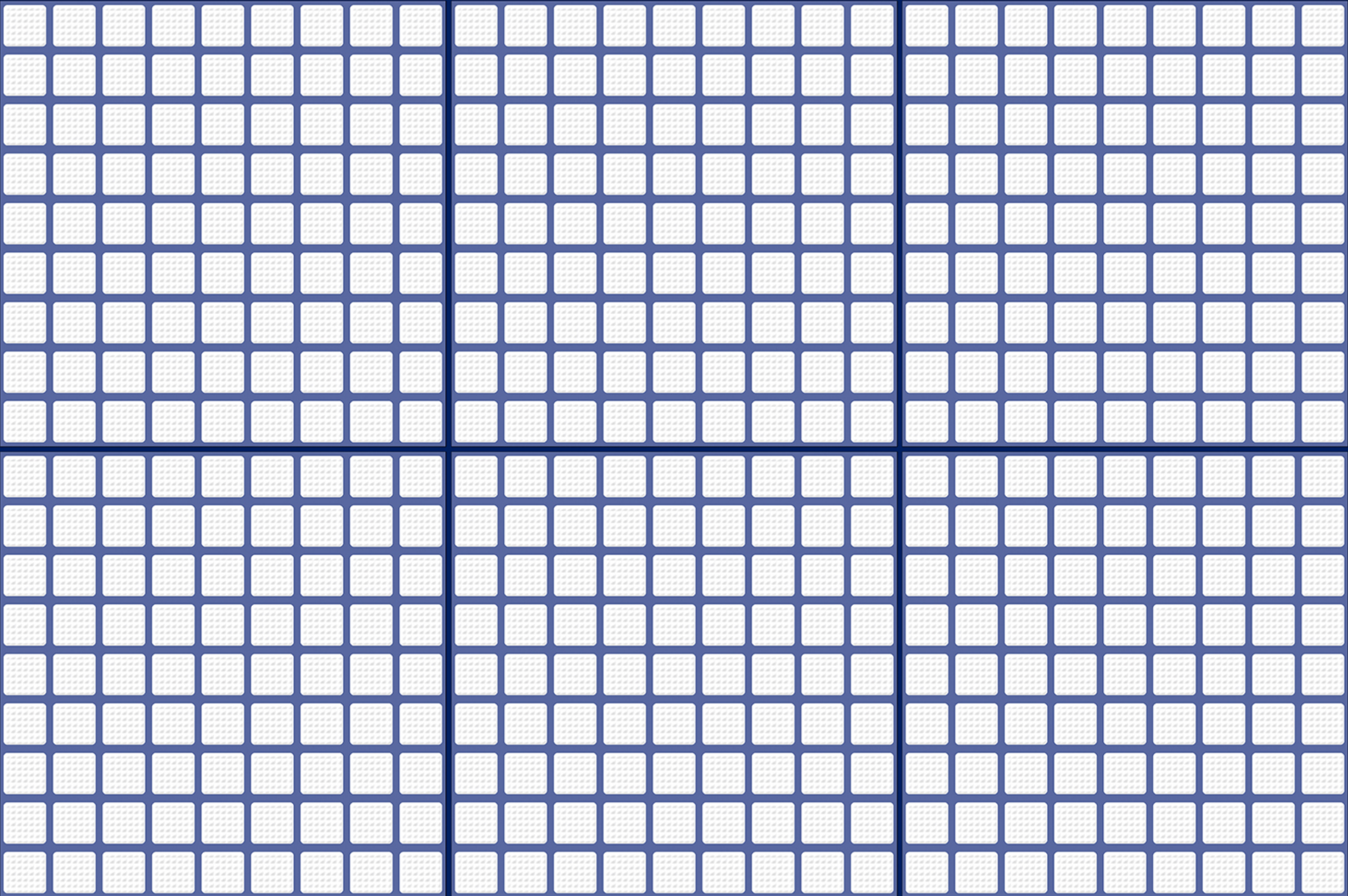


Surface

Glossy

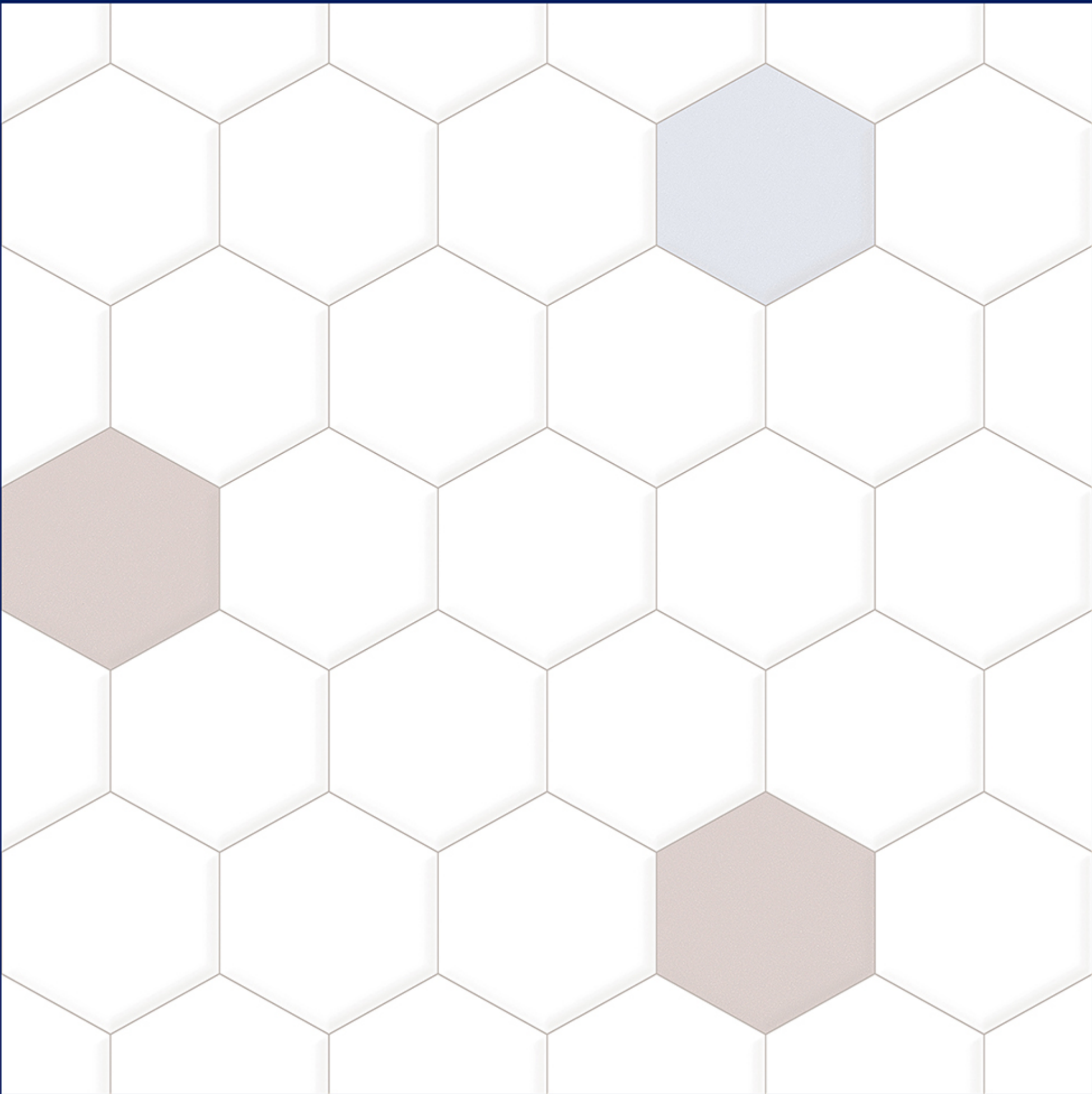
Matt

Roof - 10



Cool Roof Tiles
300x300 mm

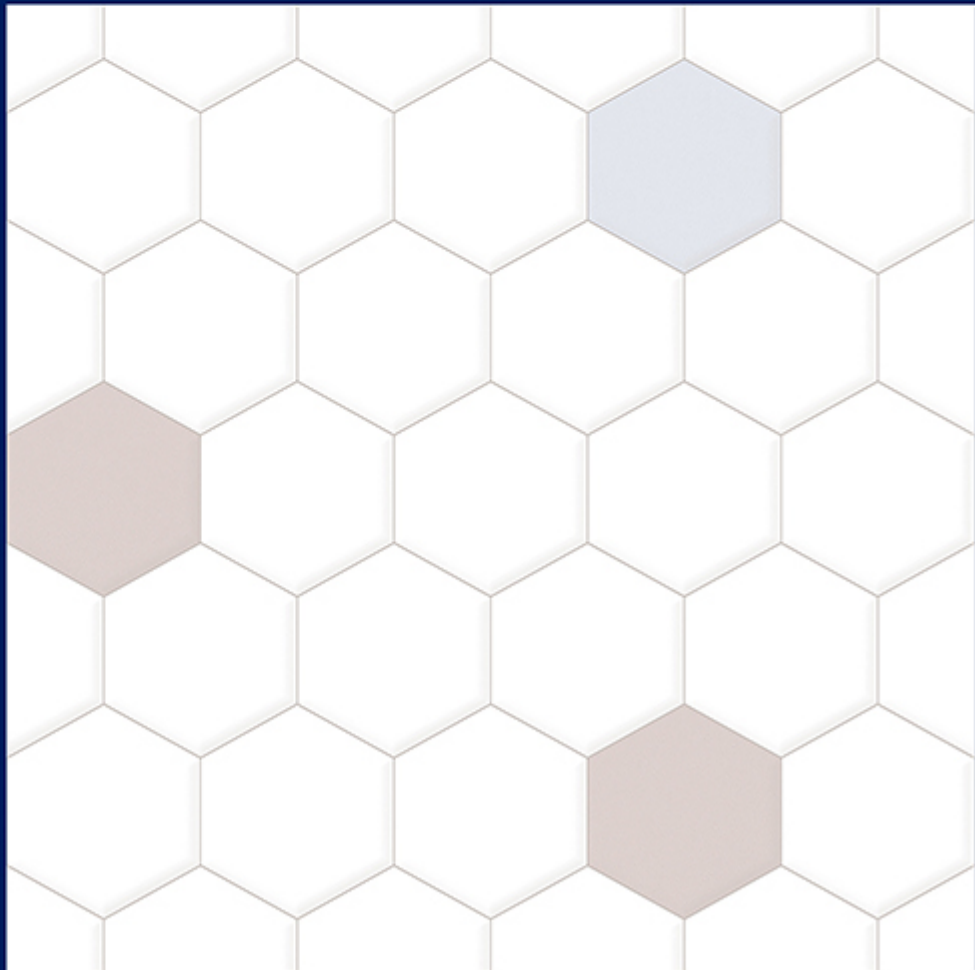
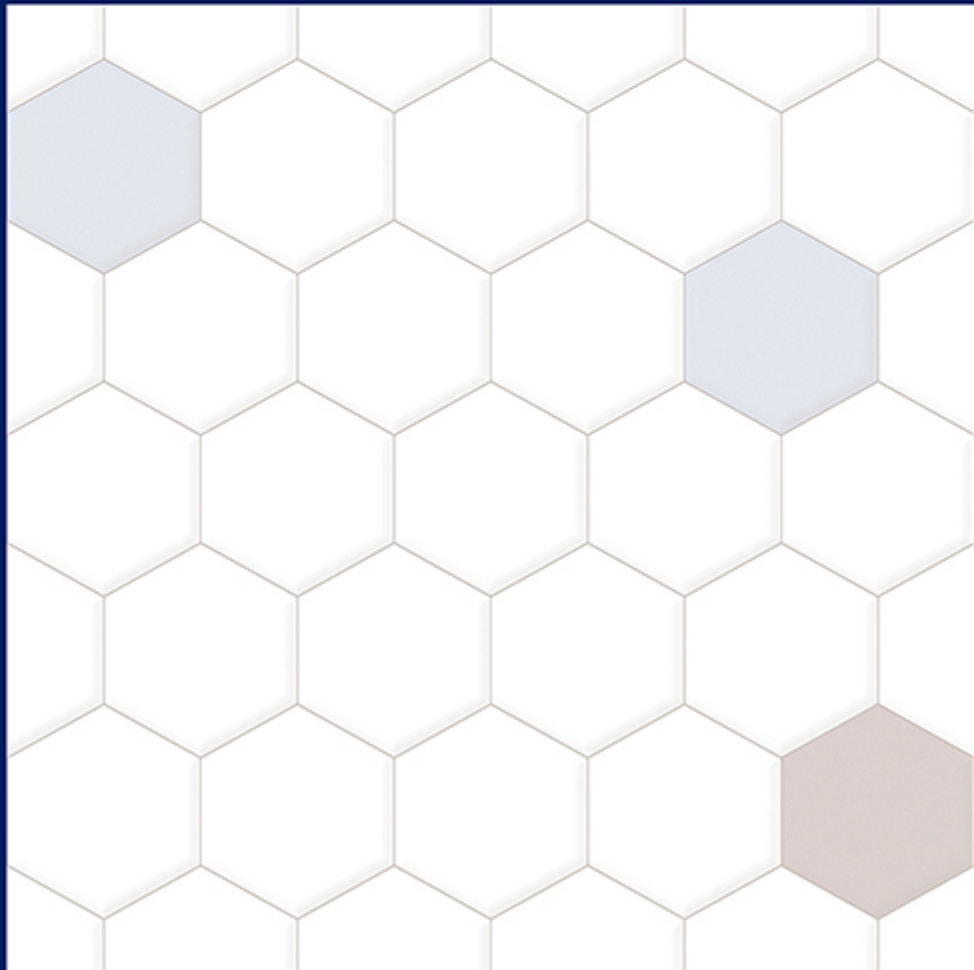
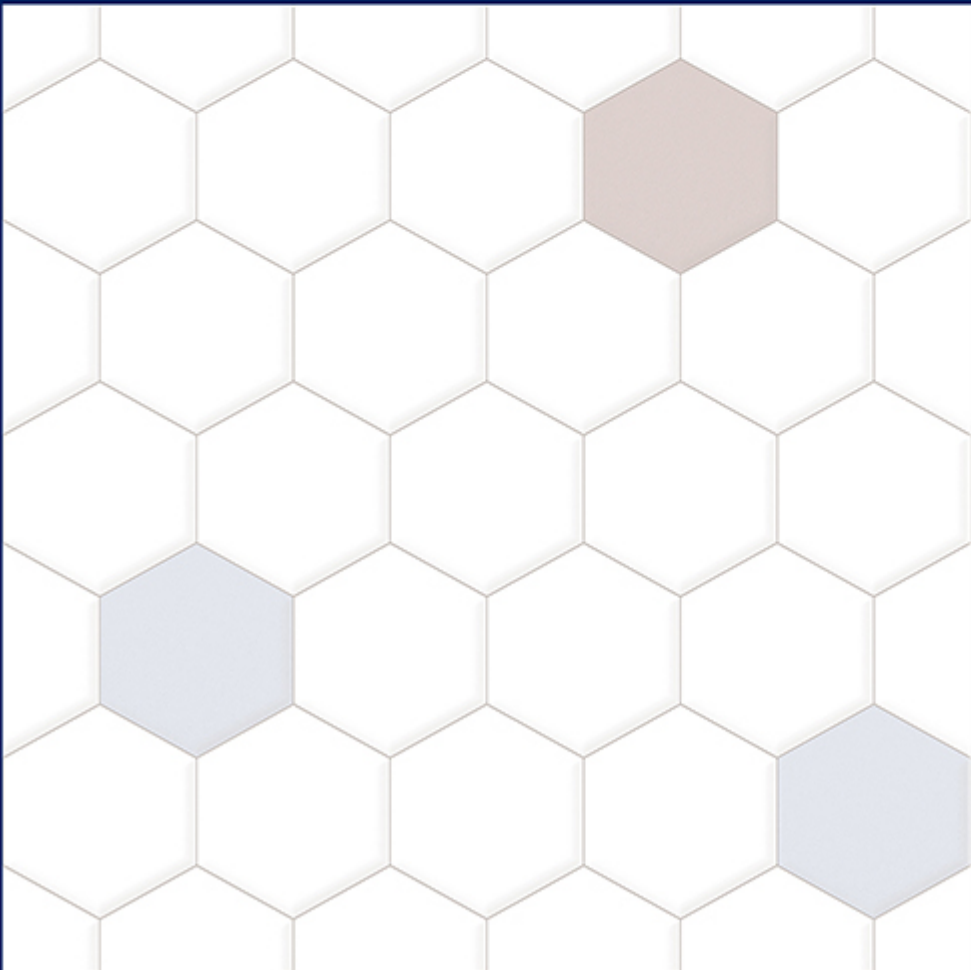
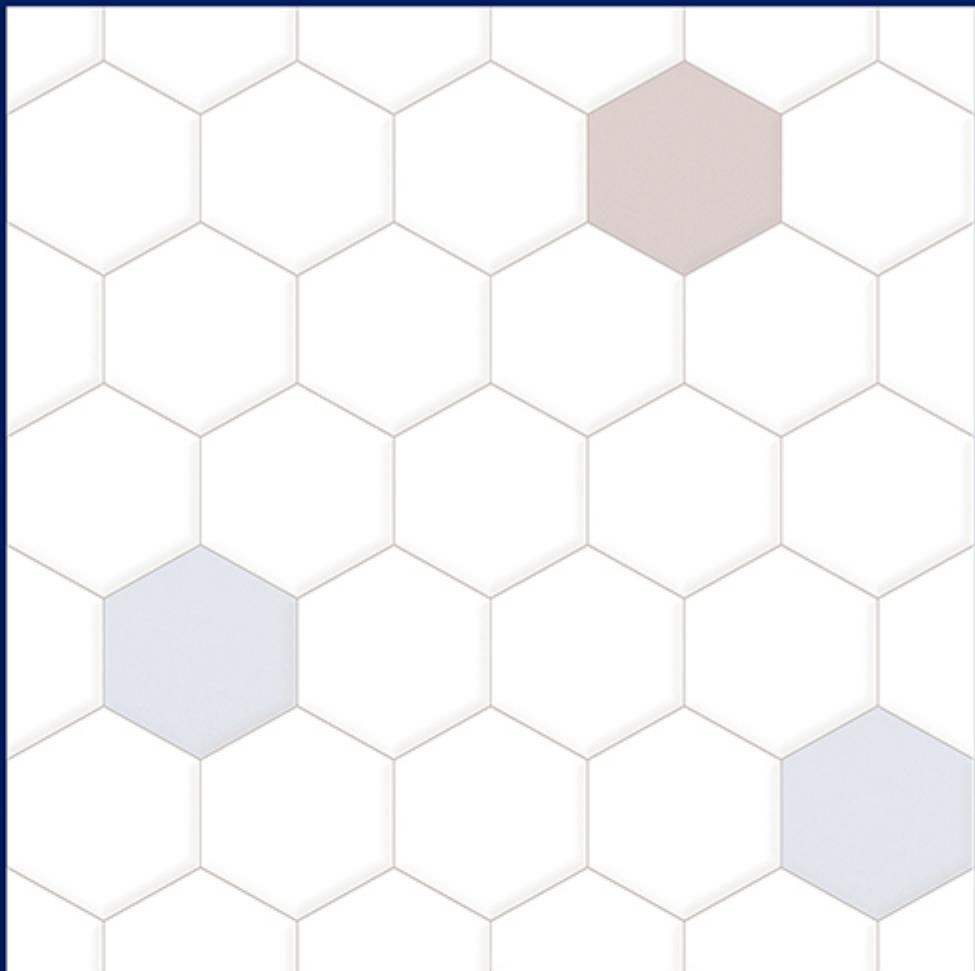
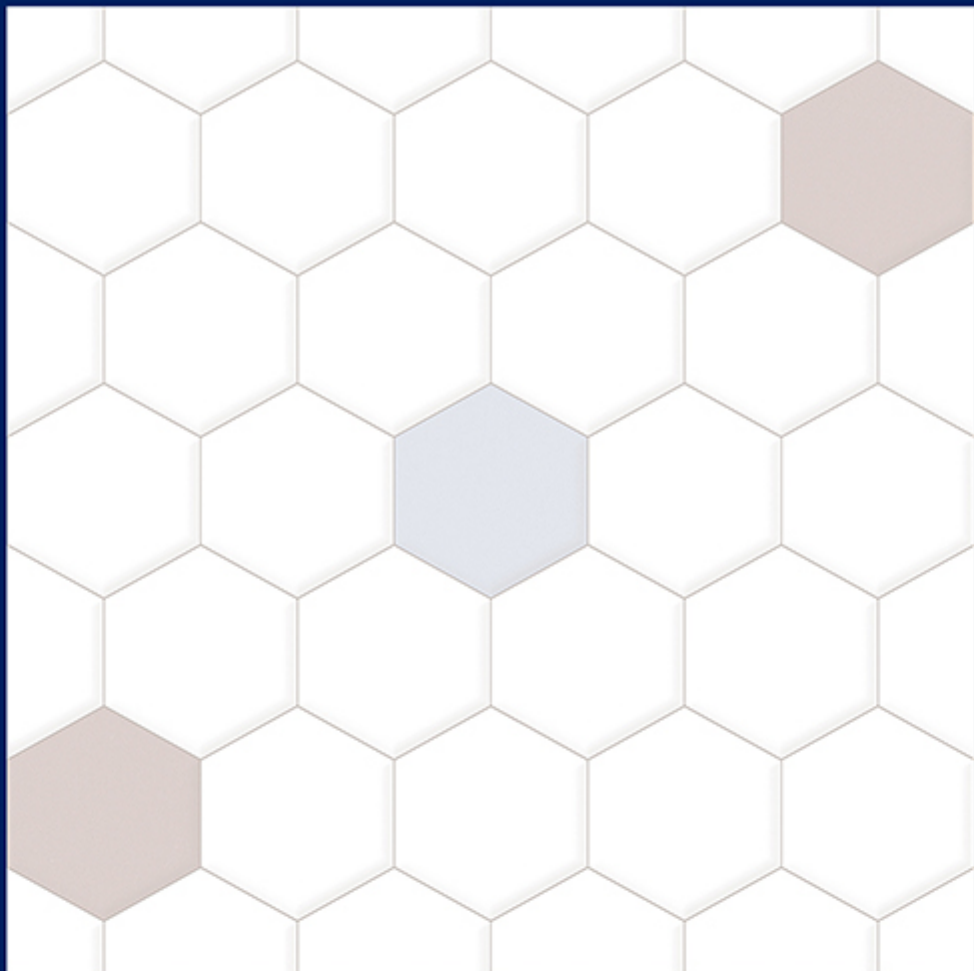
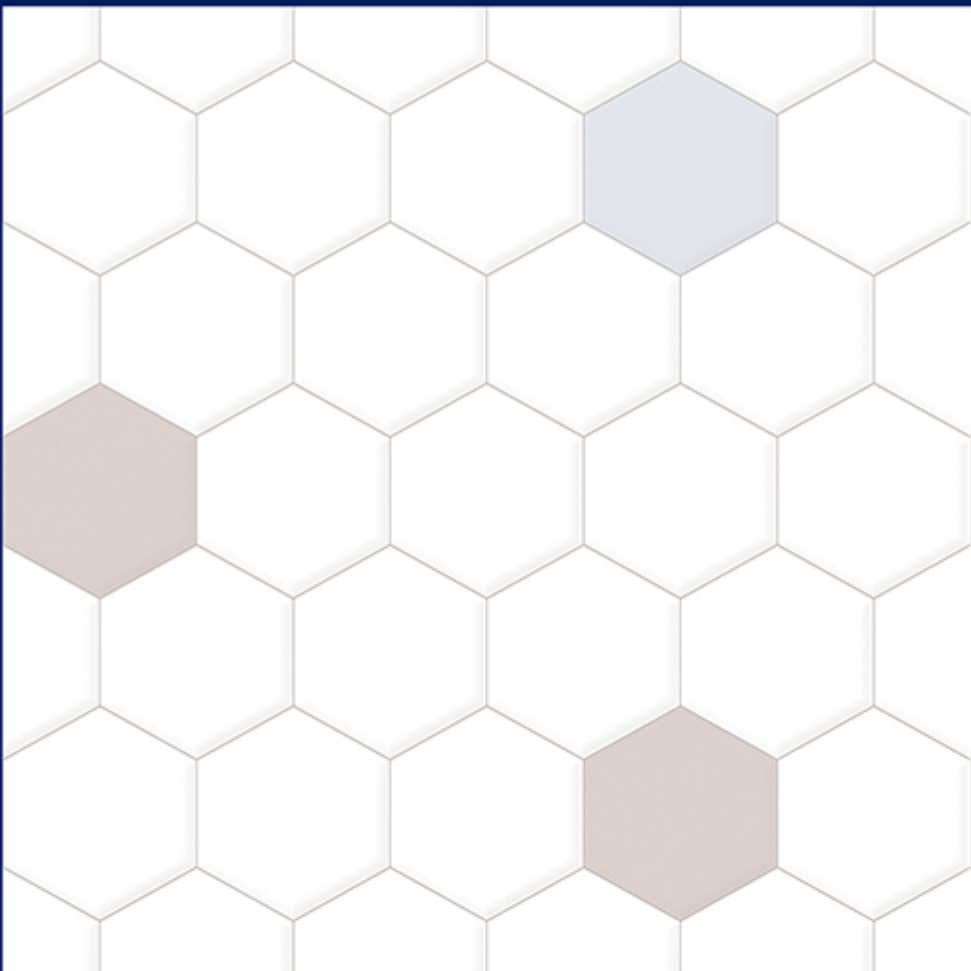
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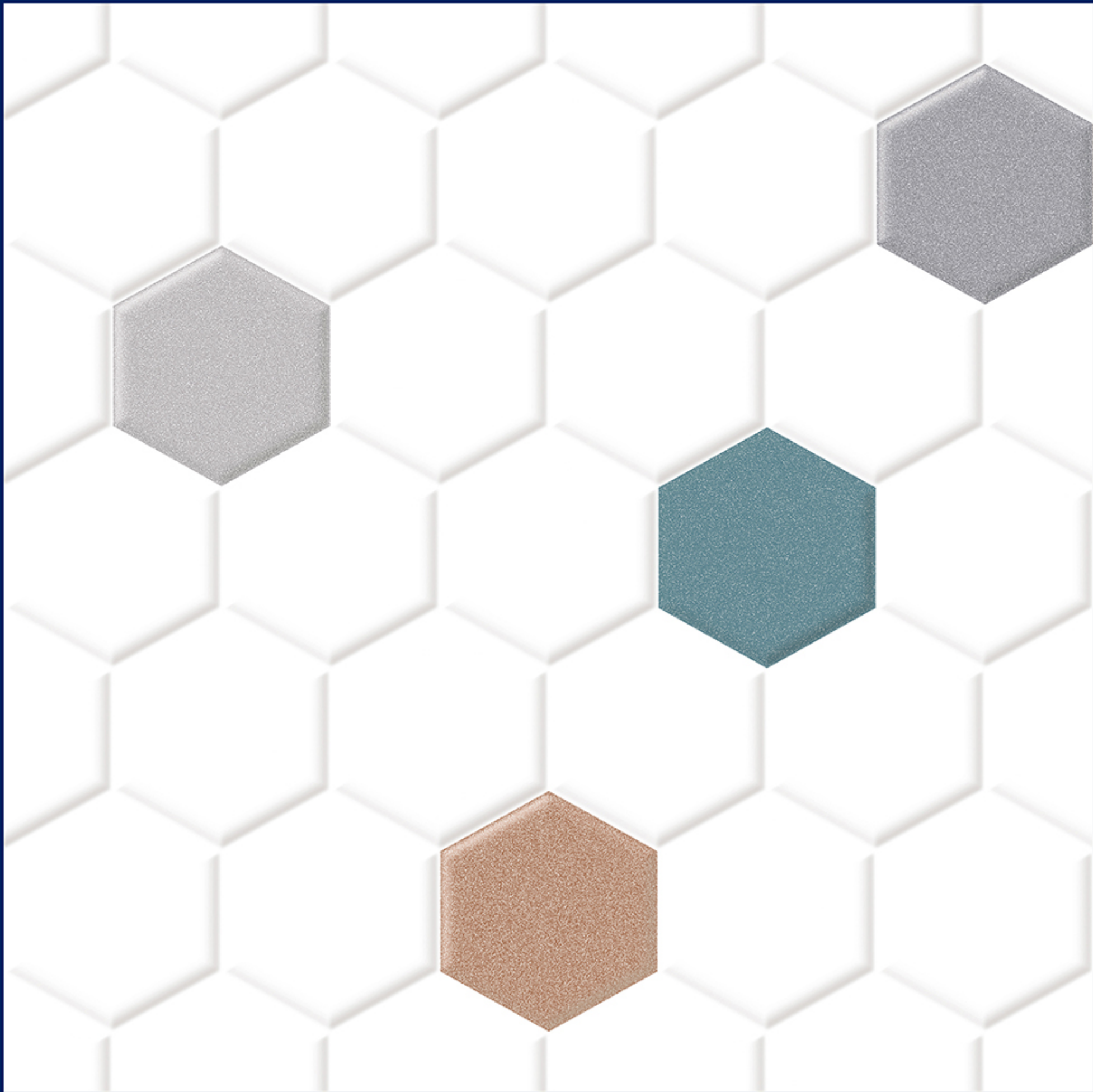


Surface

Sugar
Matt

Roof- 11

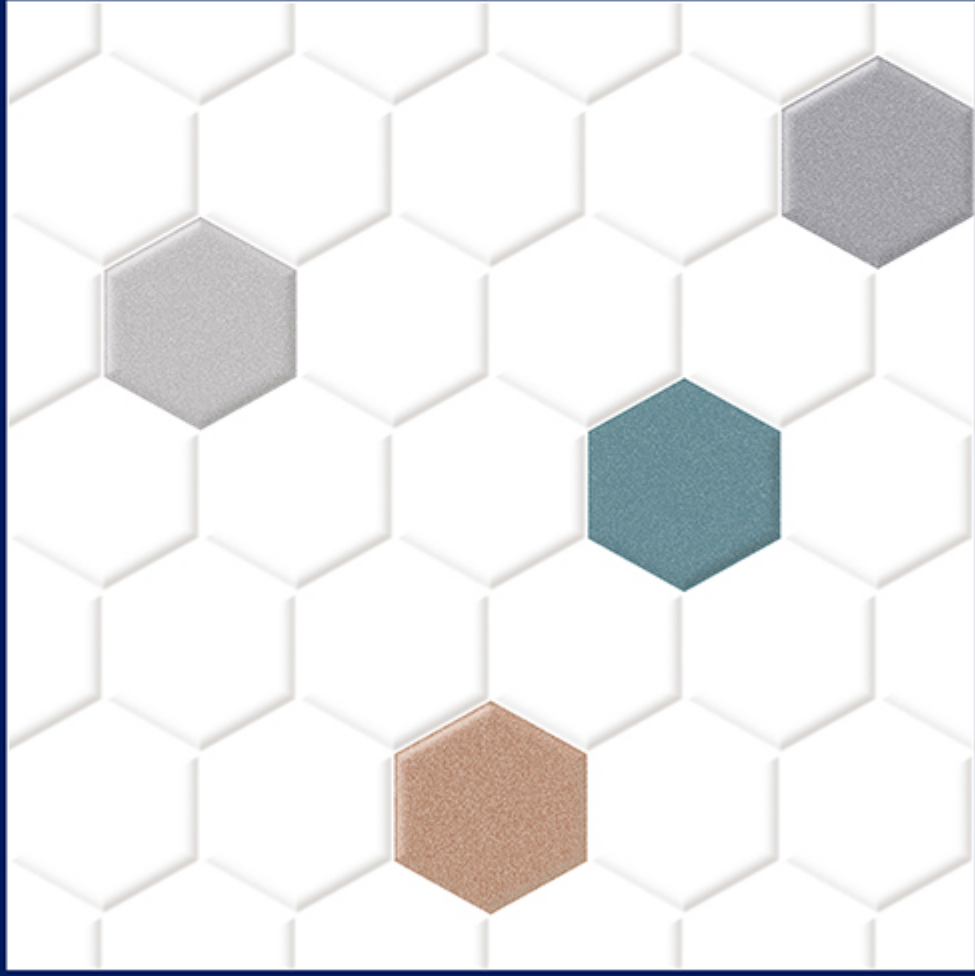
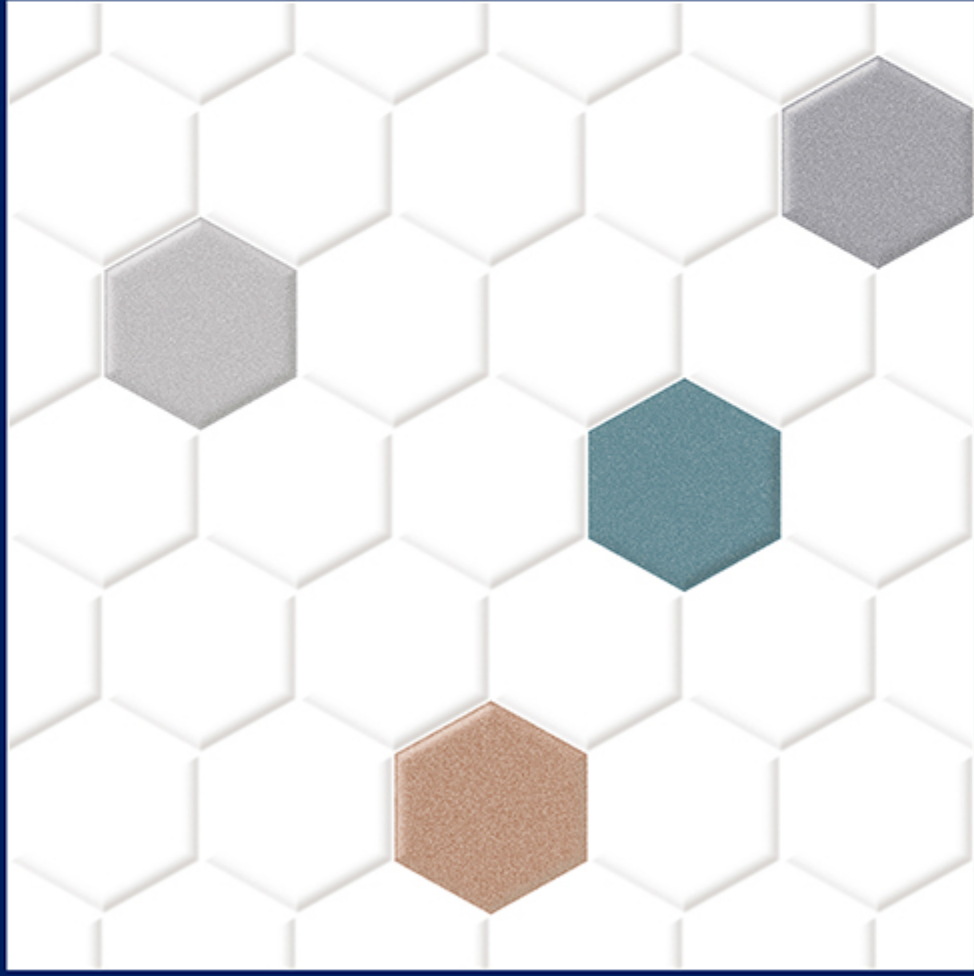
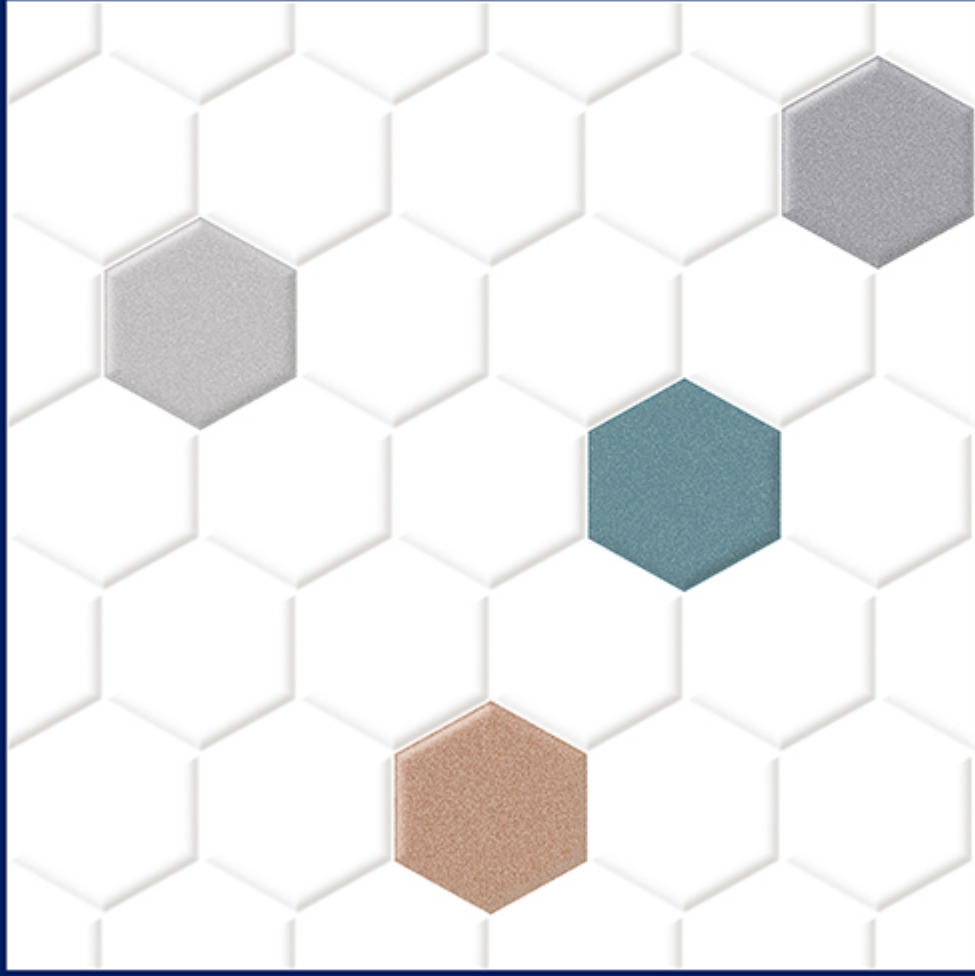
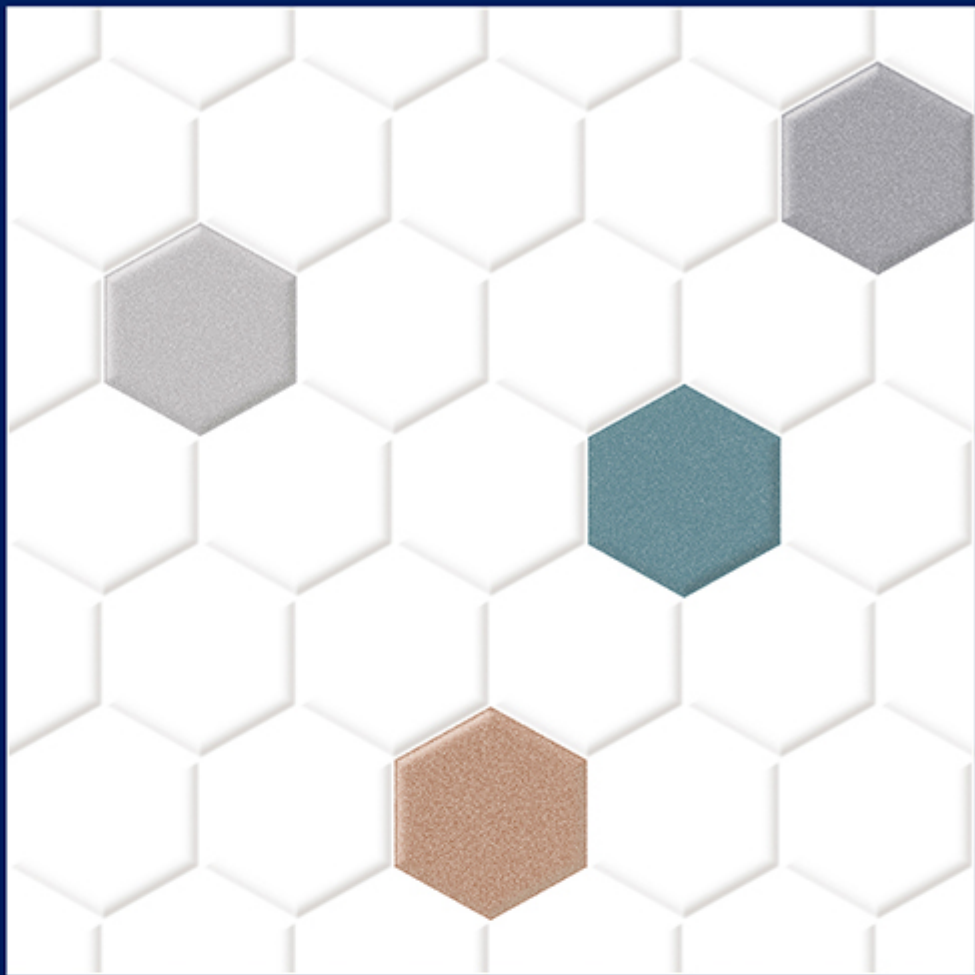
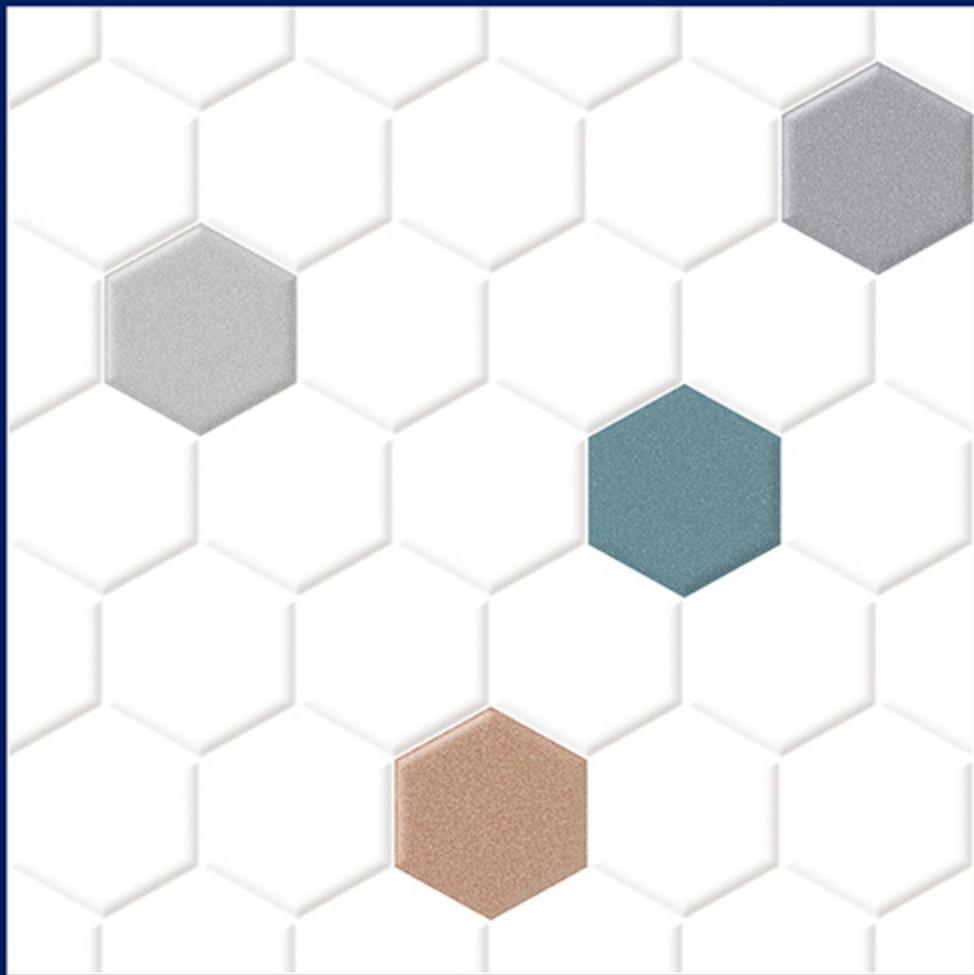
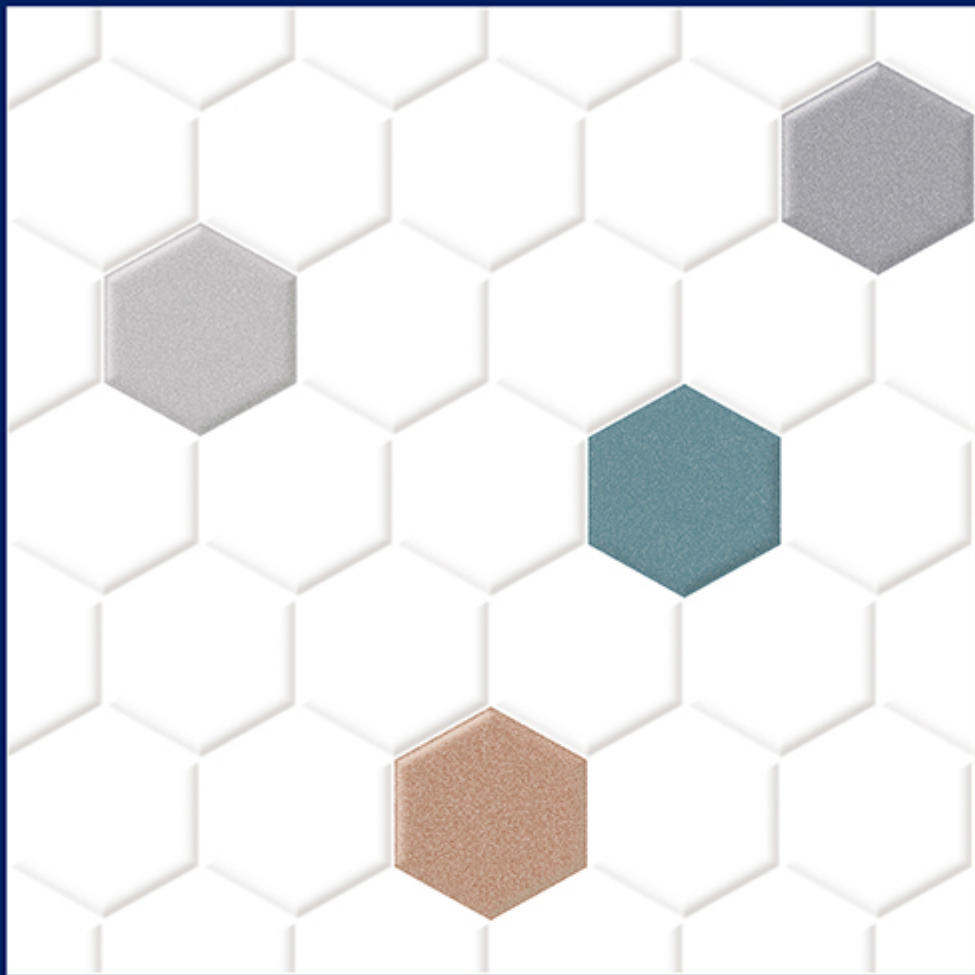




Surface

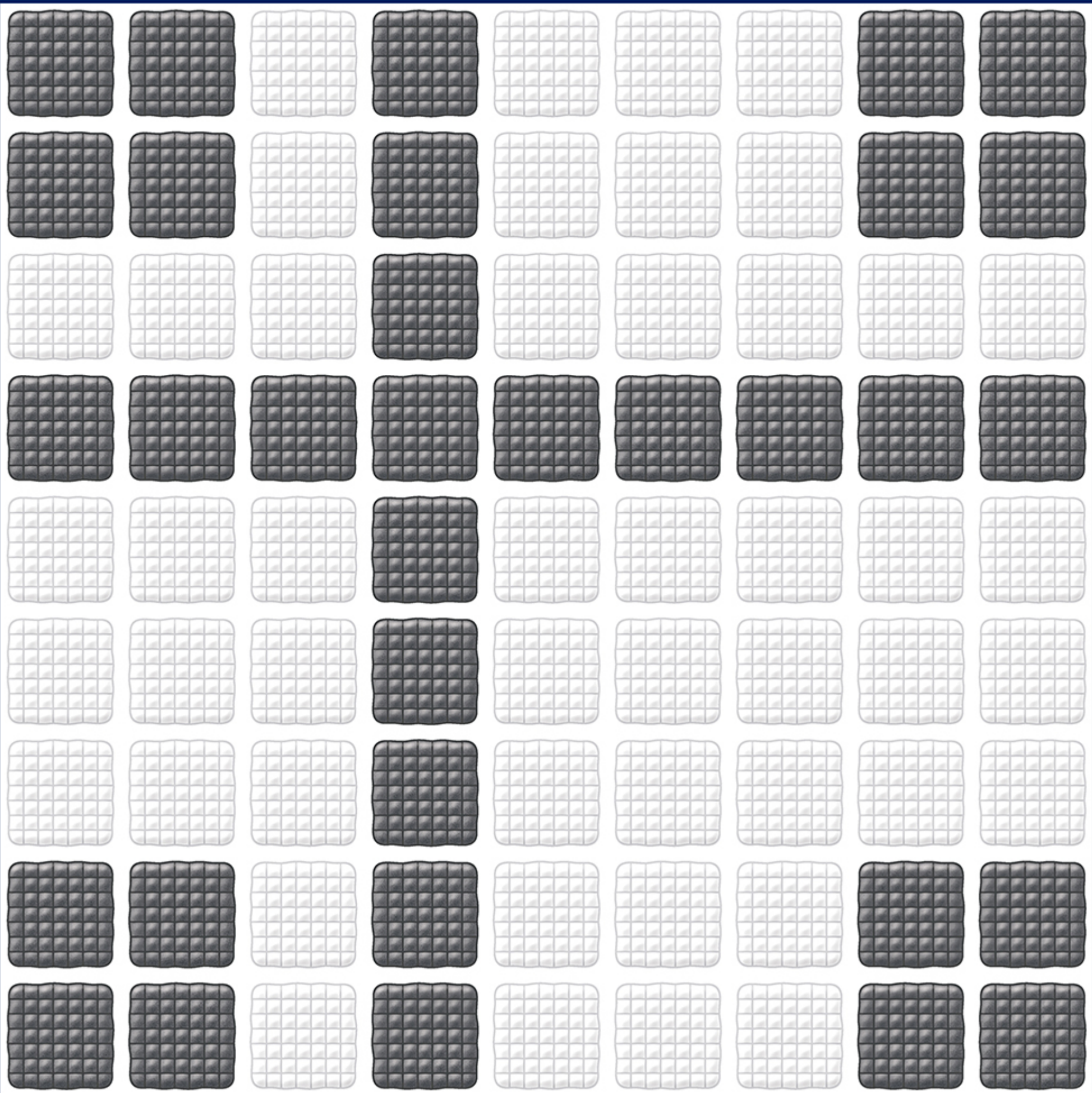
Sugar
Matt

Roof- 12



Cool Roof Tiles
300x300 mm

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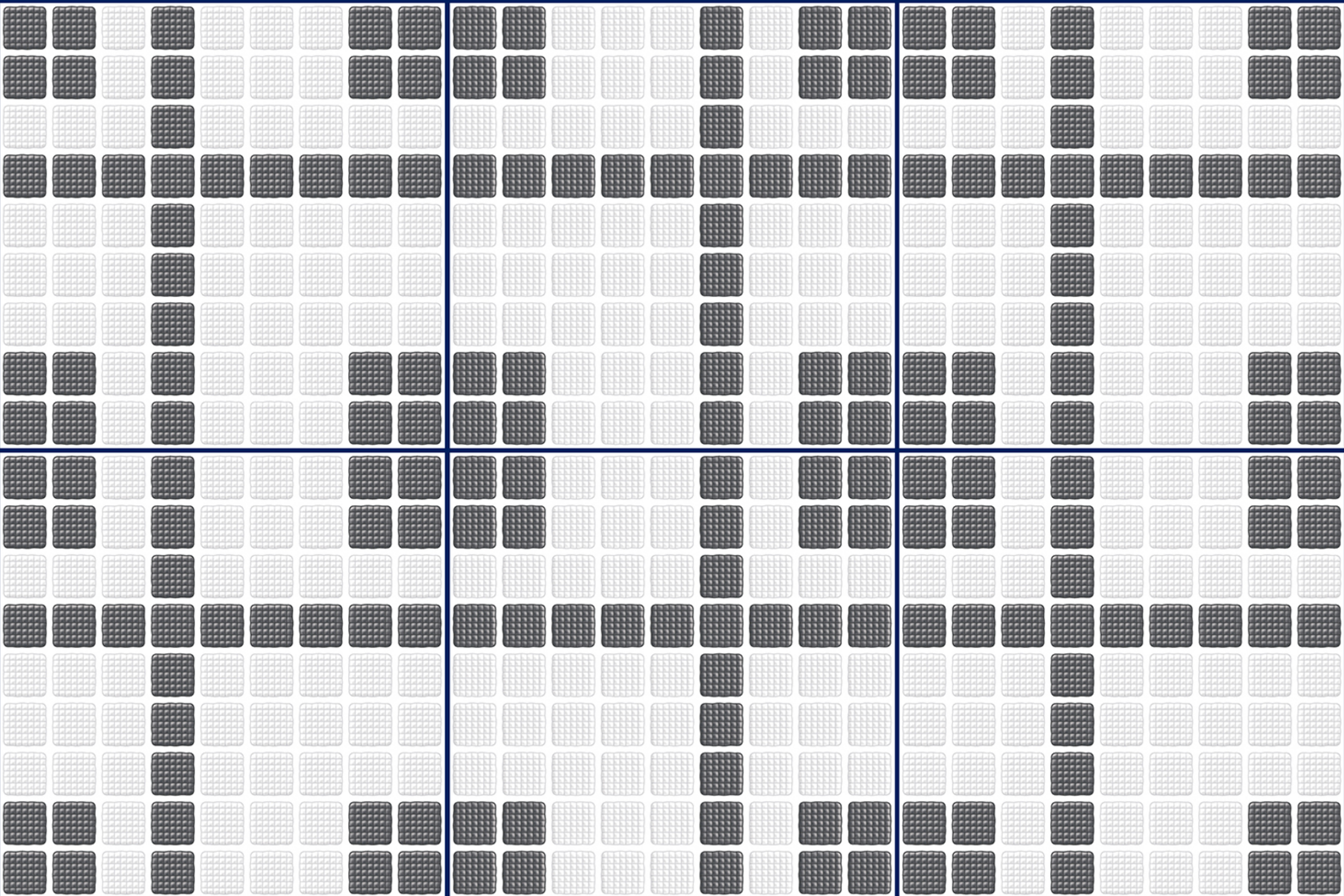


Surface

Glossy

Matt

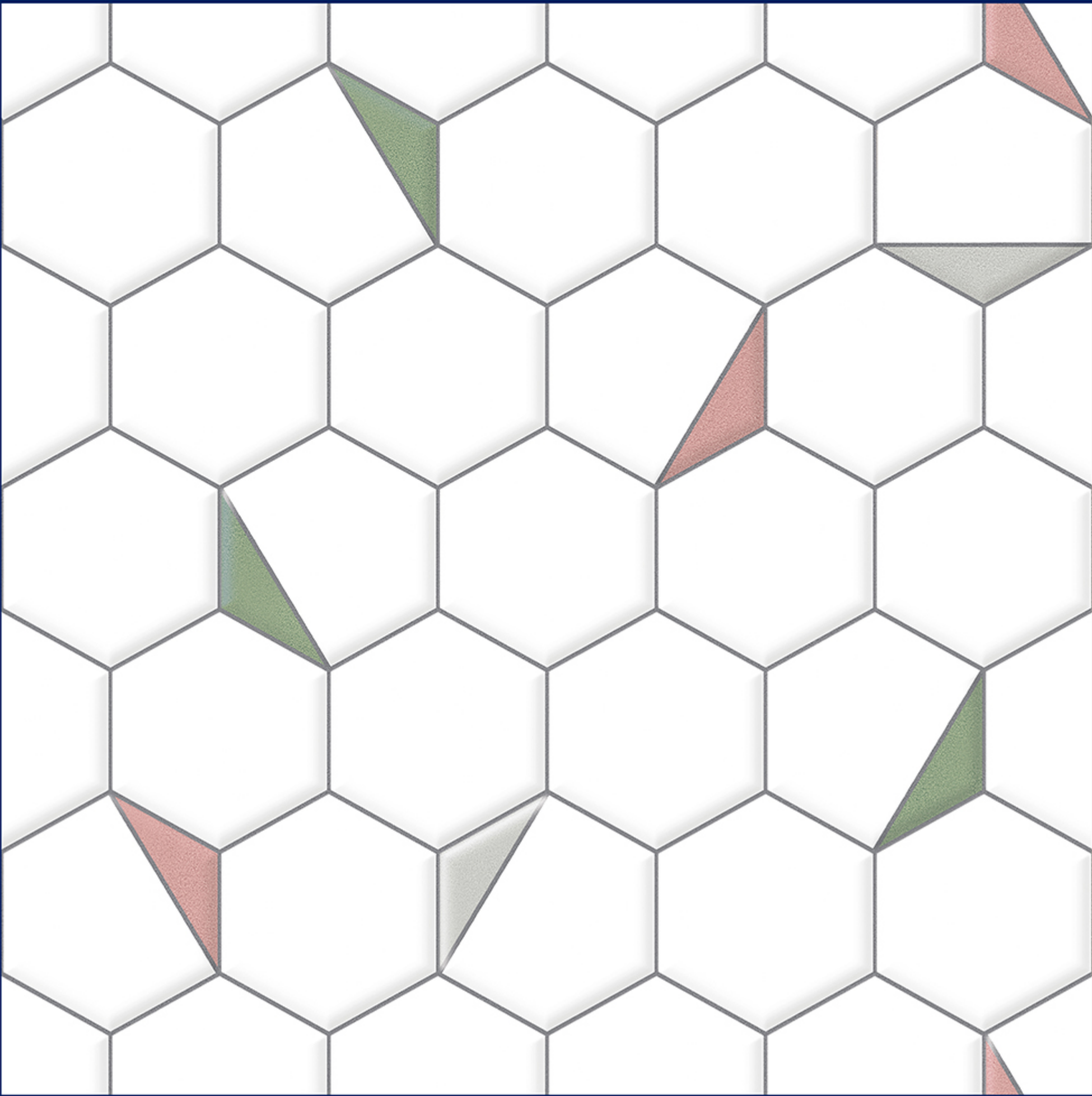
Roof- 18



Cool Roof Tiles

300x300 mm

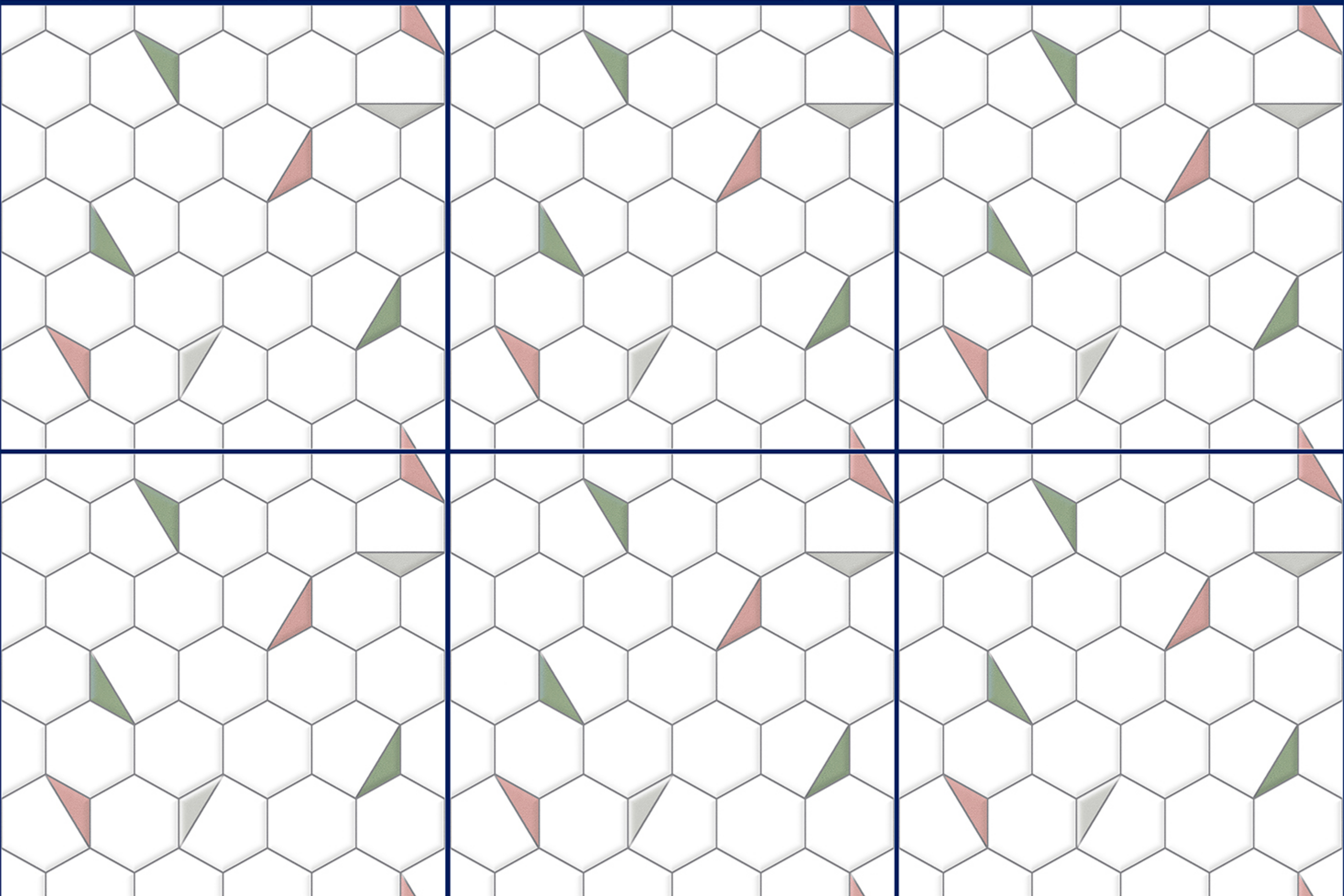
www.kyrosceramic.com



Surface

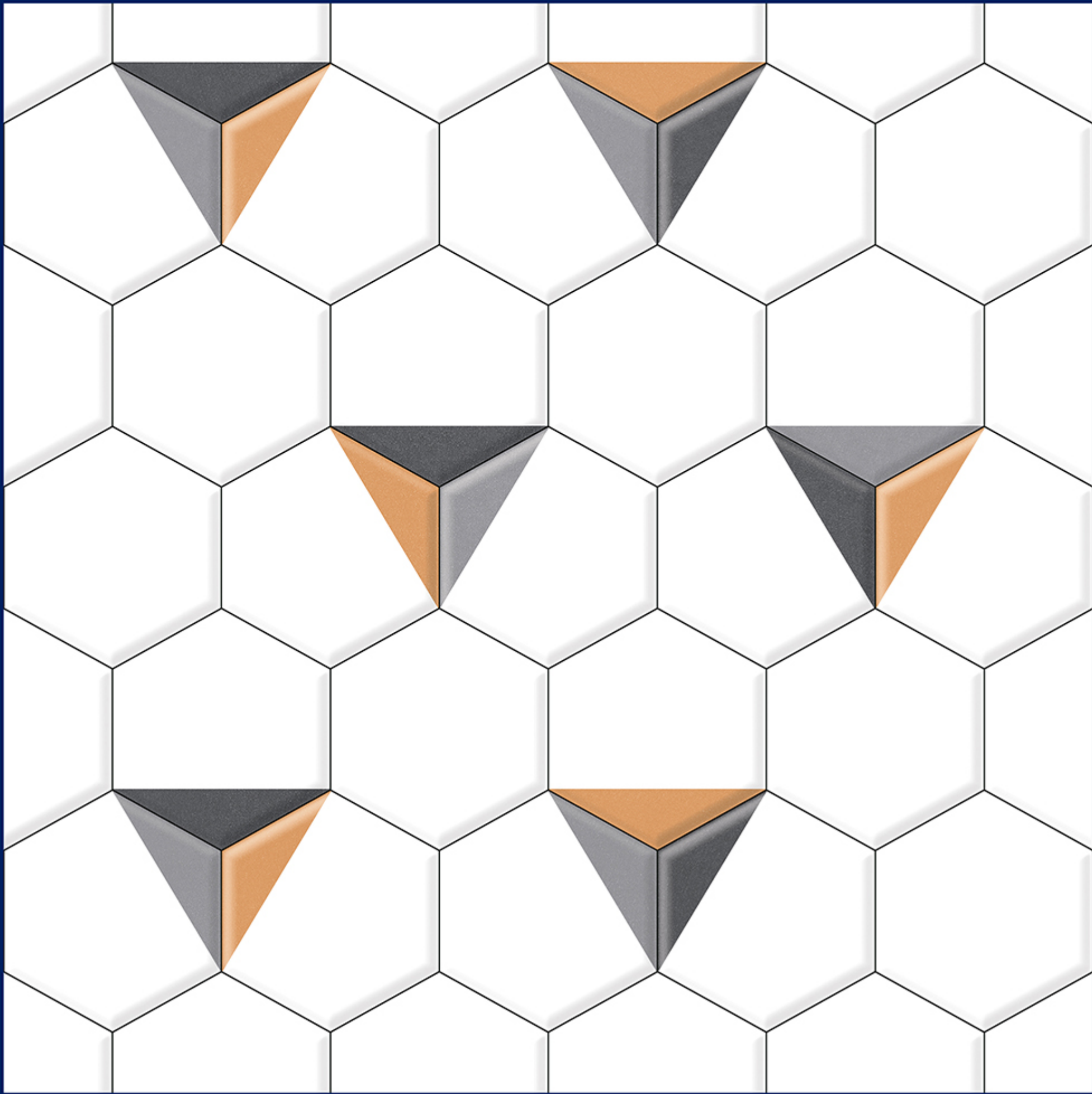
Sugar
Matt

Roof - 28



Cool Roof Tiles
300x300 mm

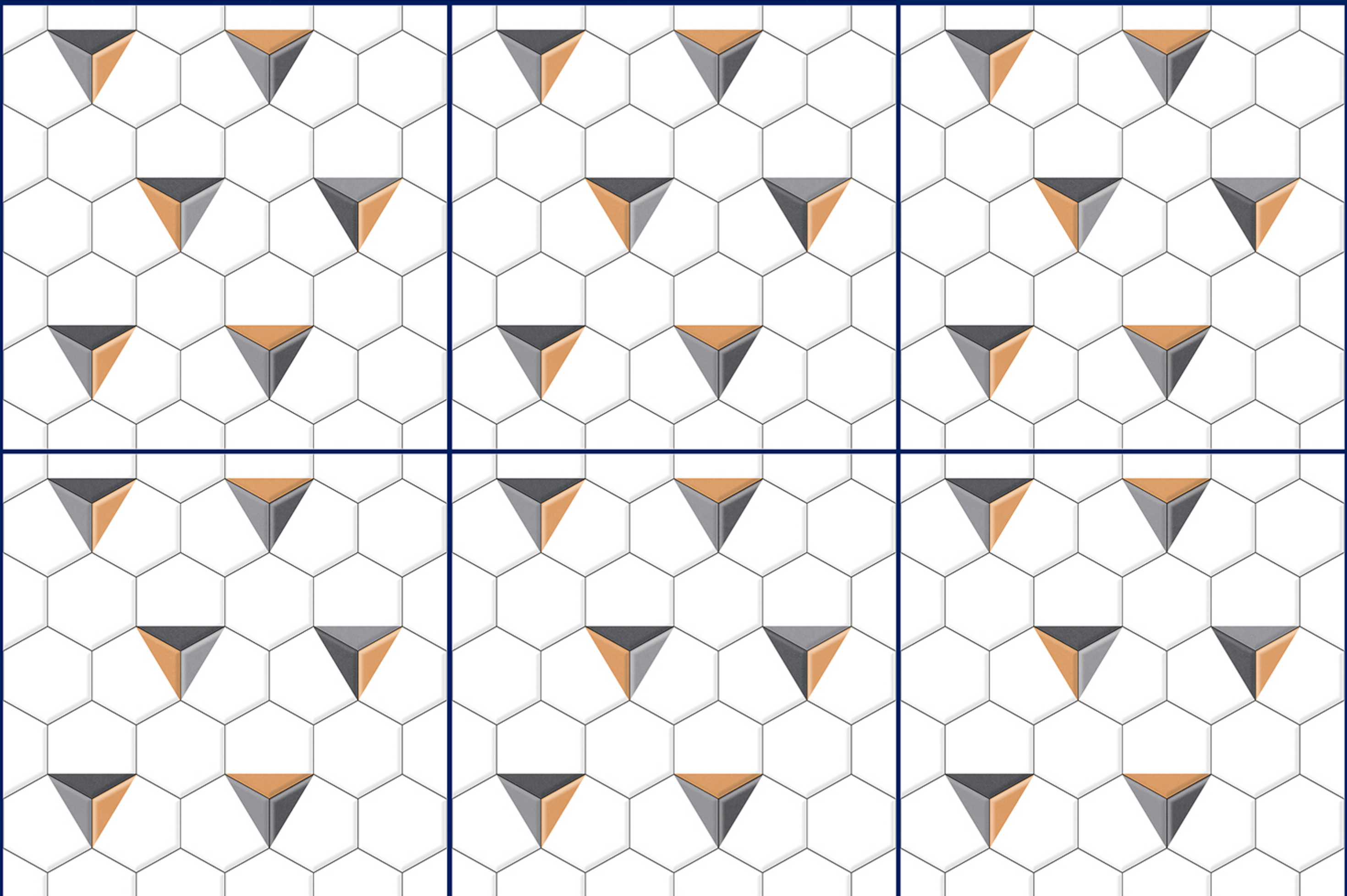
www.kyrosceramic.com



Surface

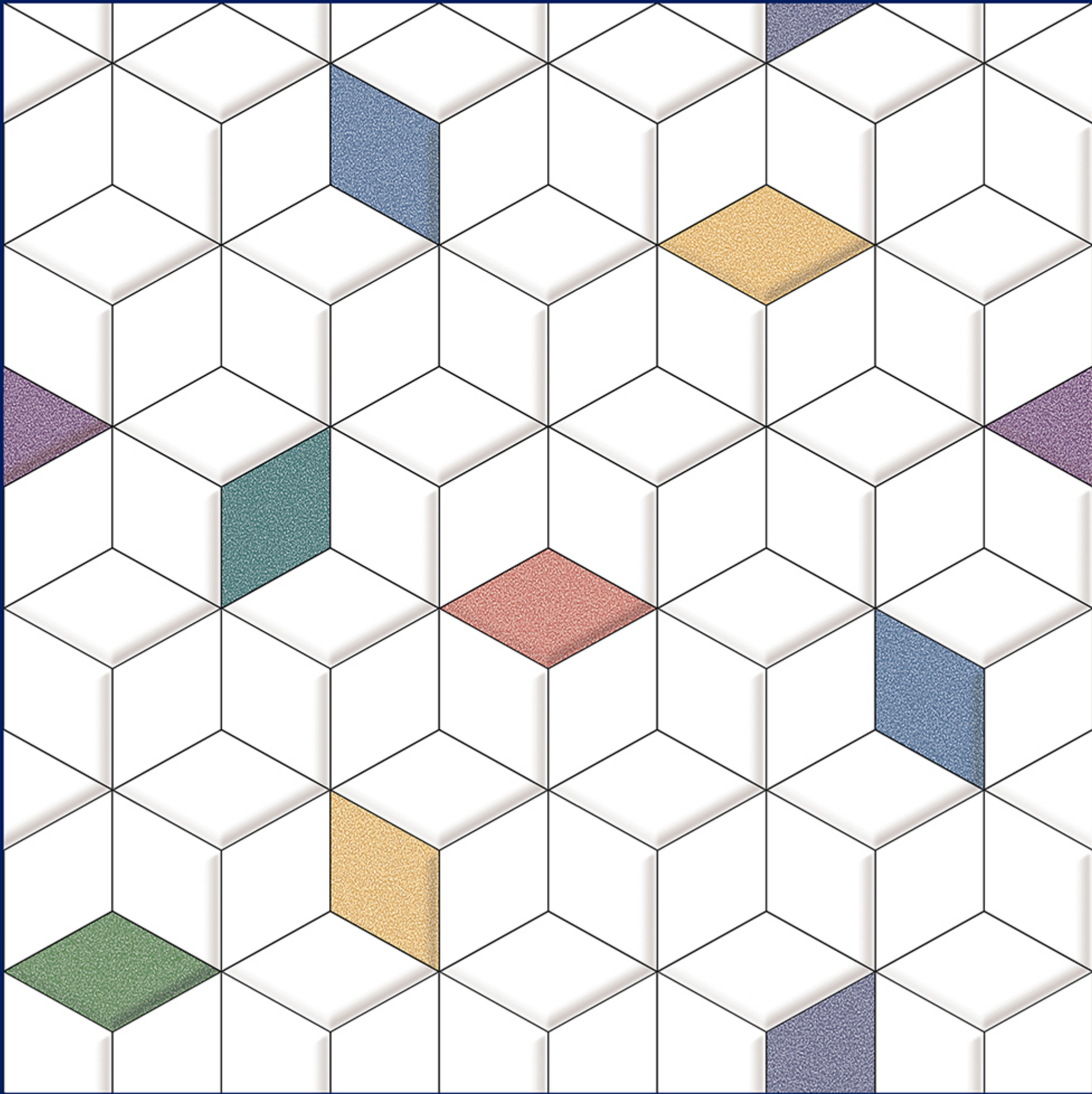
Sugar
Matt

Roof - 29



Cool Roof Tiles
300x300 mm

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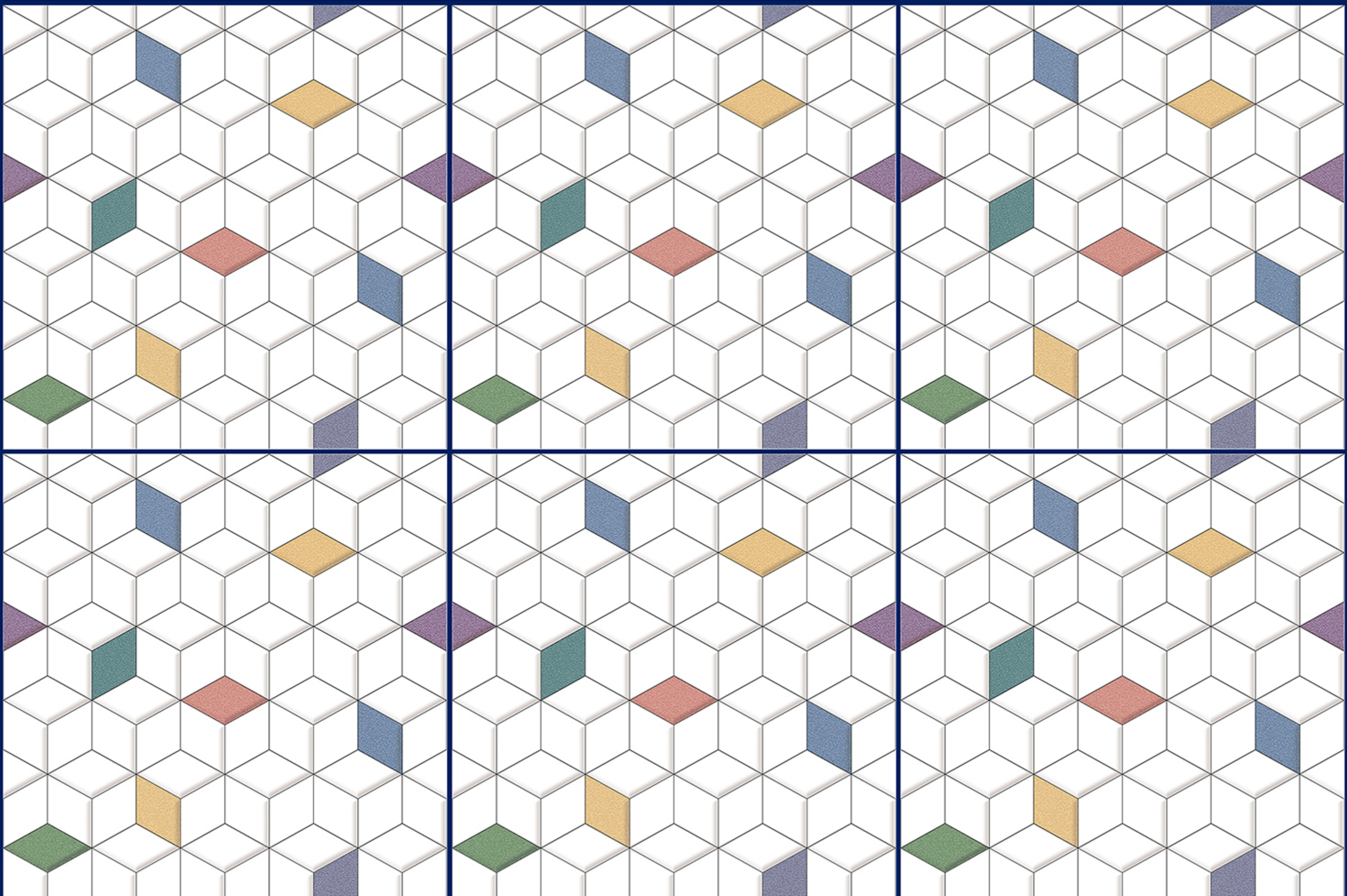


Surface

Sugar

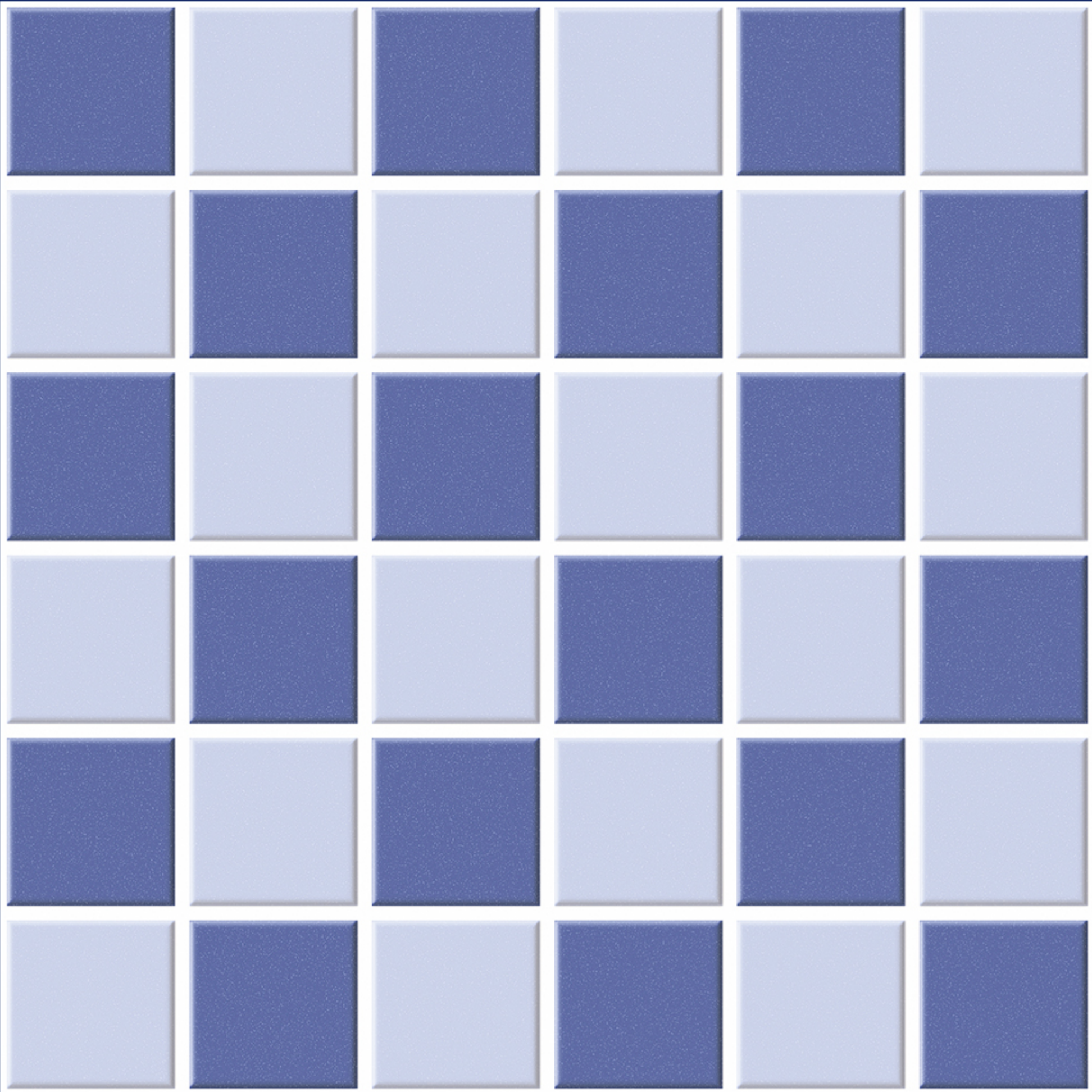
Matt

Roof- 31



Cool Roof Tiles
300x300 mm

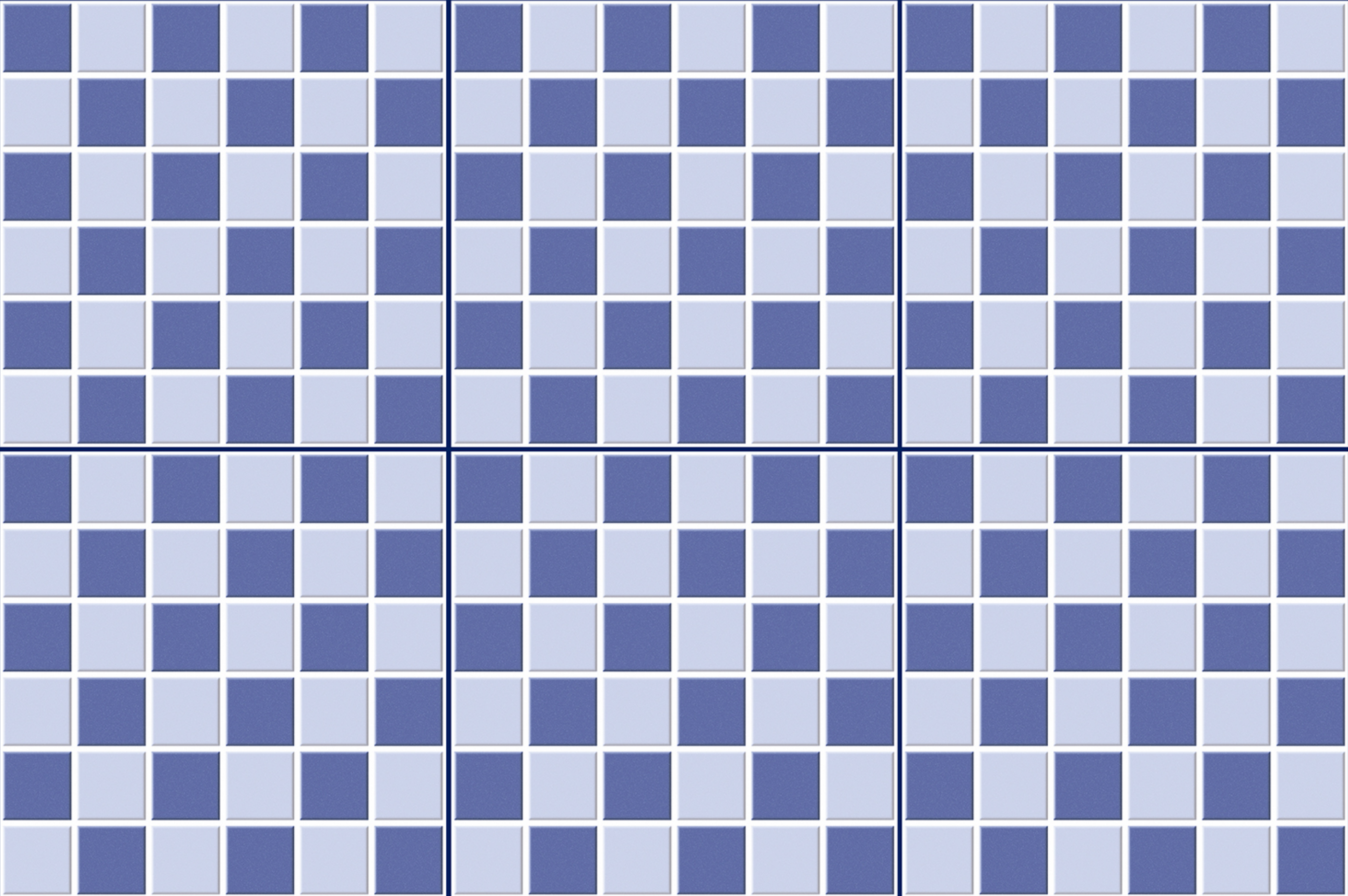
www.kyrosceramic.com

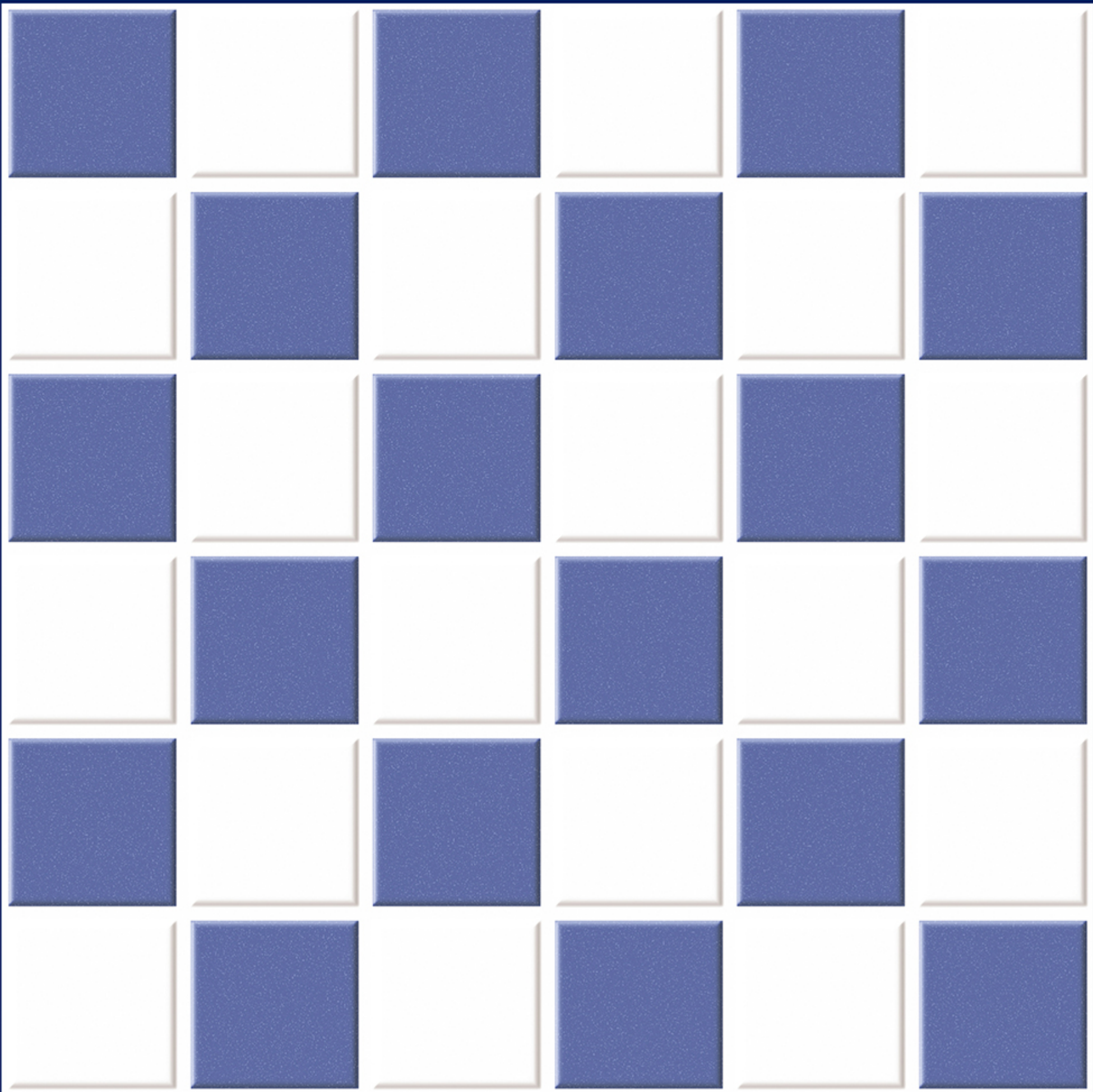


Surface

Sugar
Matt

Roof - 60





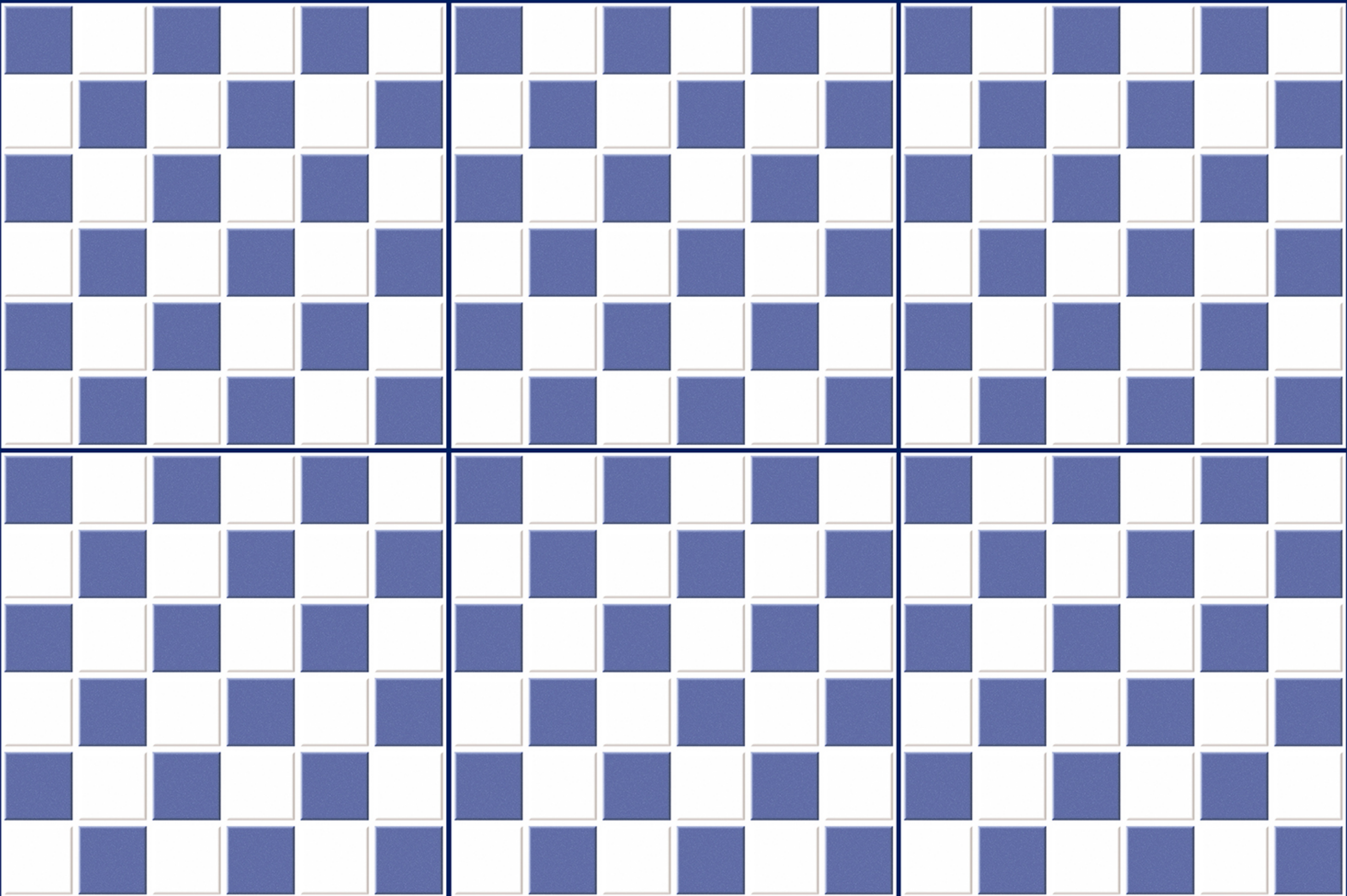
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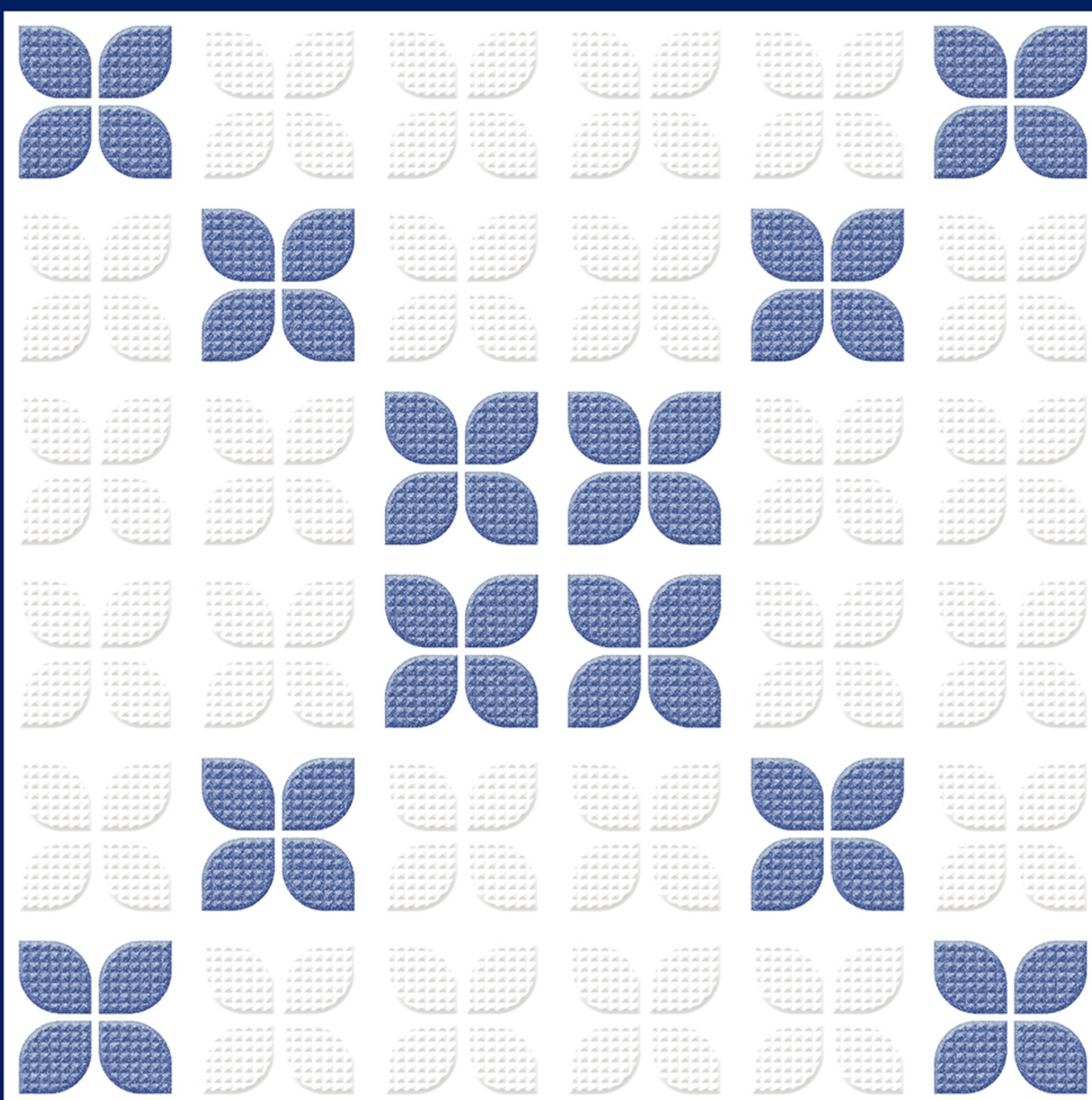
Glossy

Sugar

Matt

Roof - 61



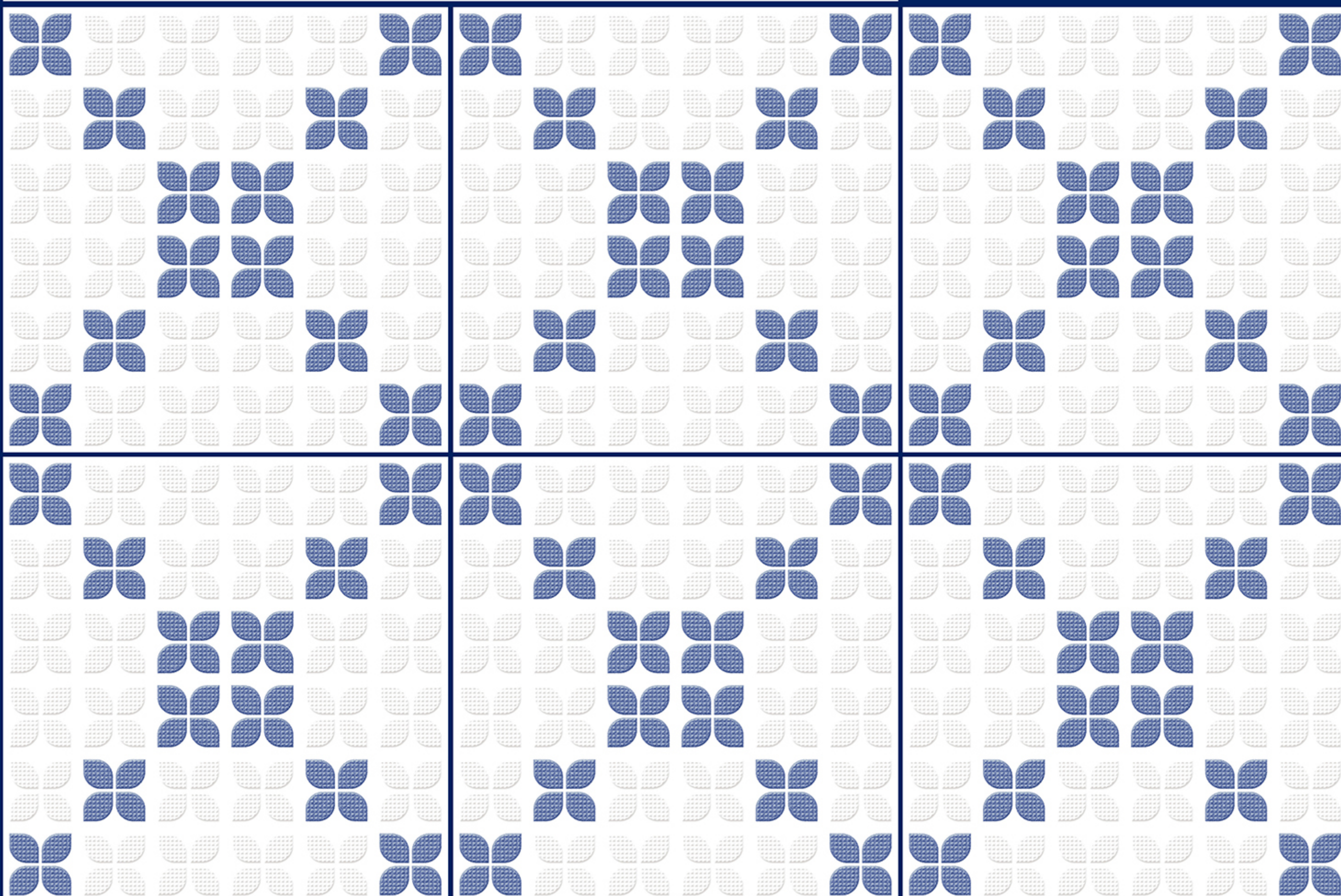


Surface

Glossy

Matt

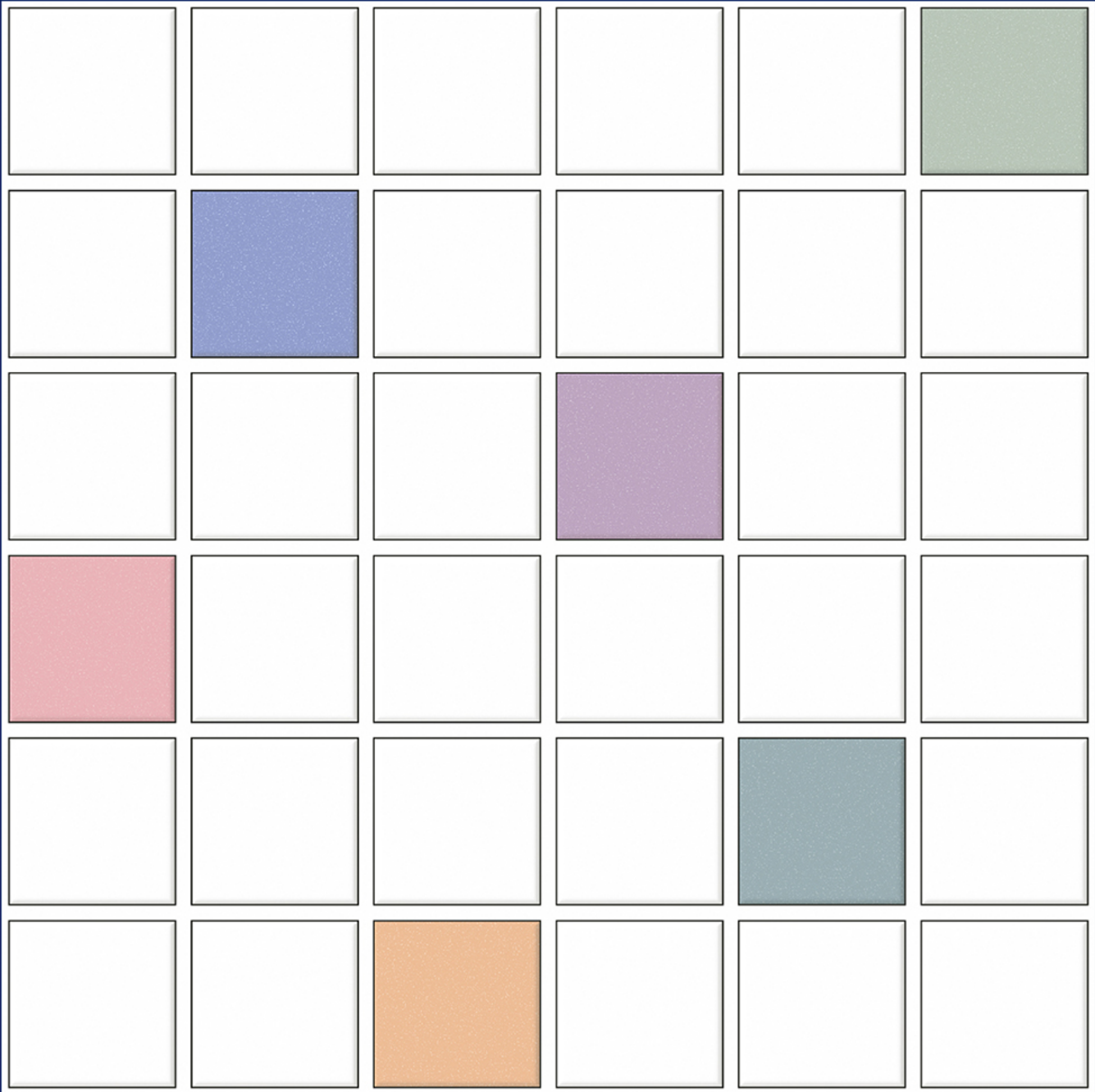
Roof- 141



Cool Roof Tiles

300x300 mm

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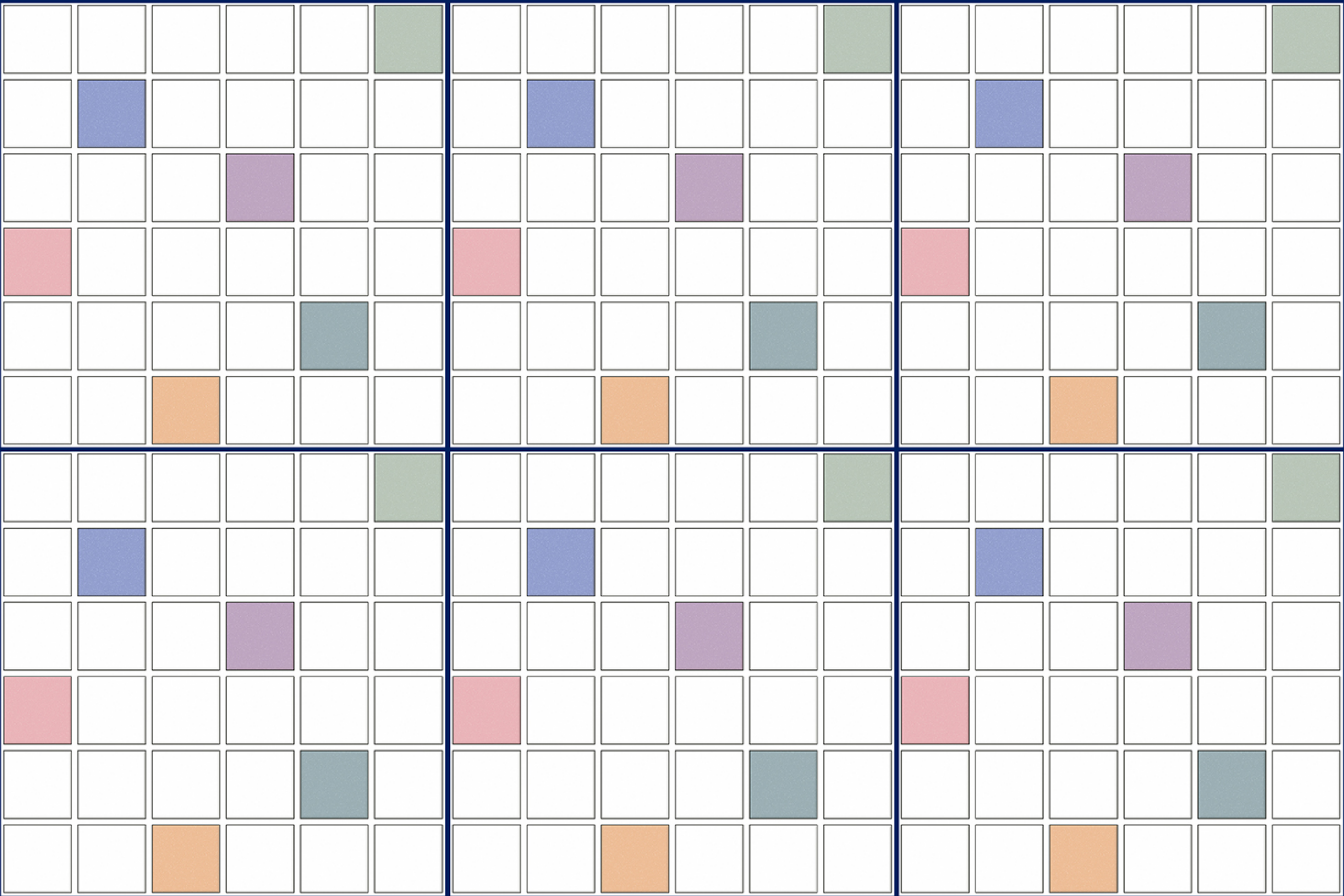


Surface

Sugar

Matt

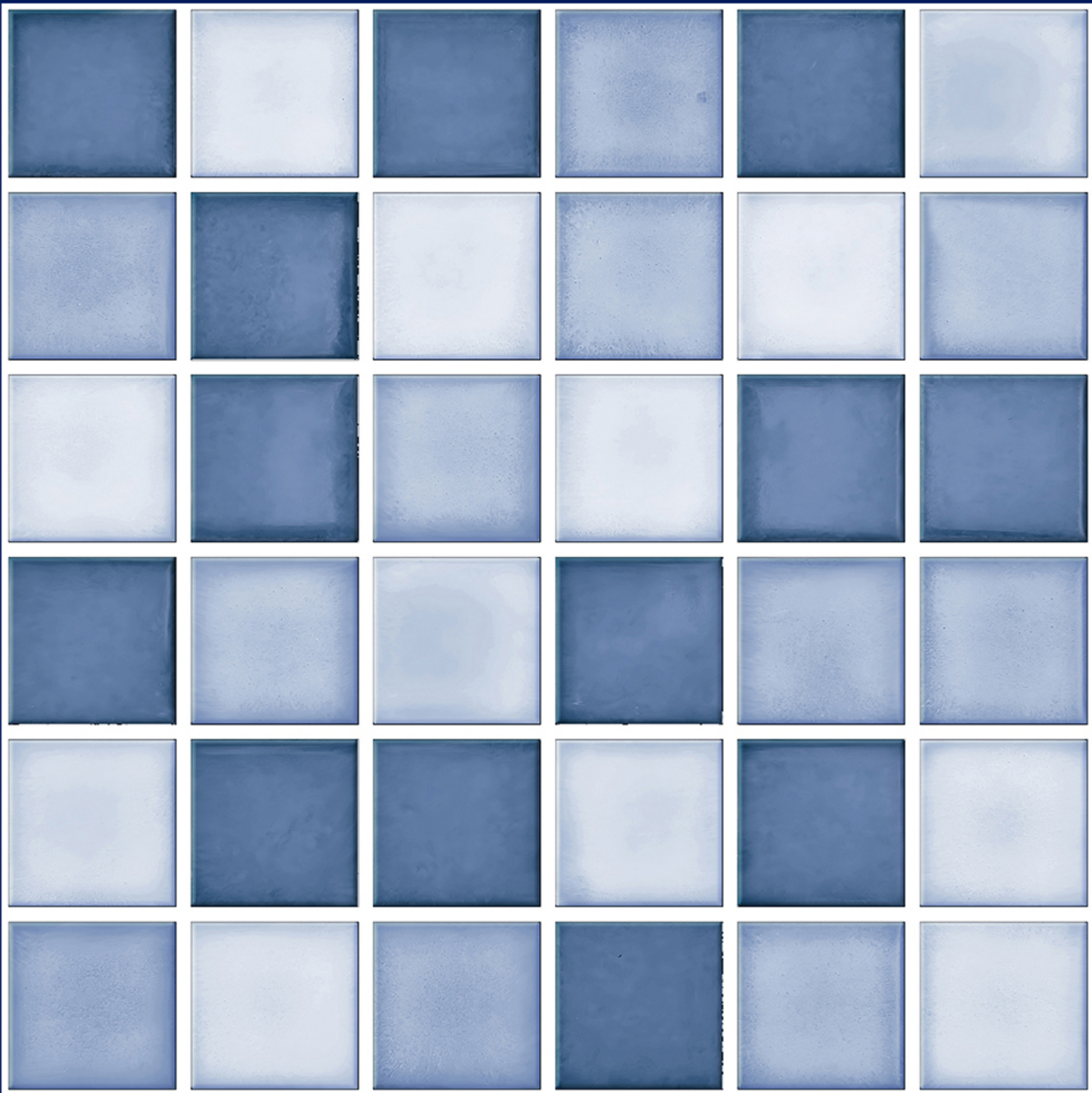
Cool - 1011



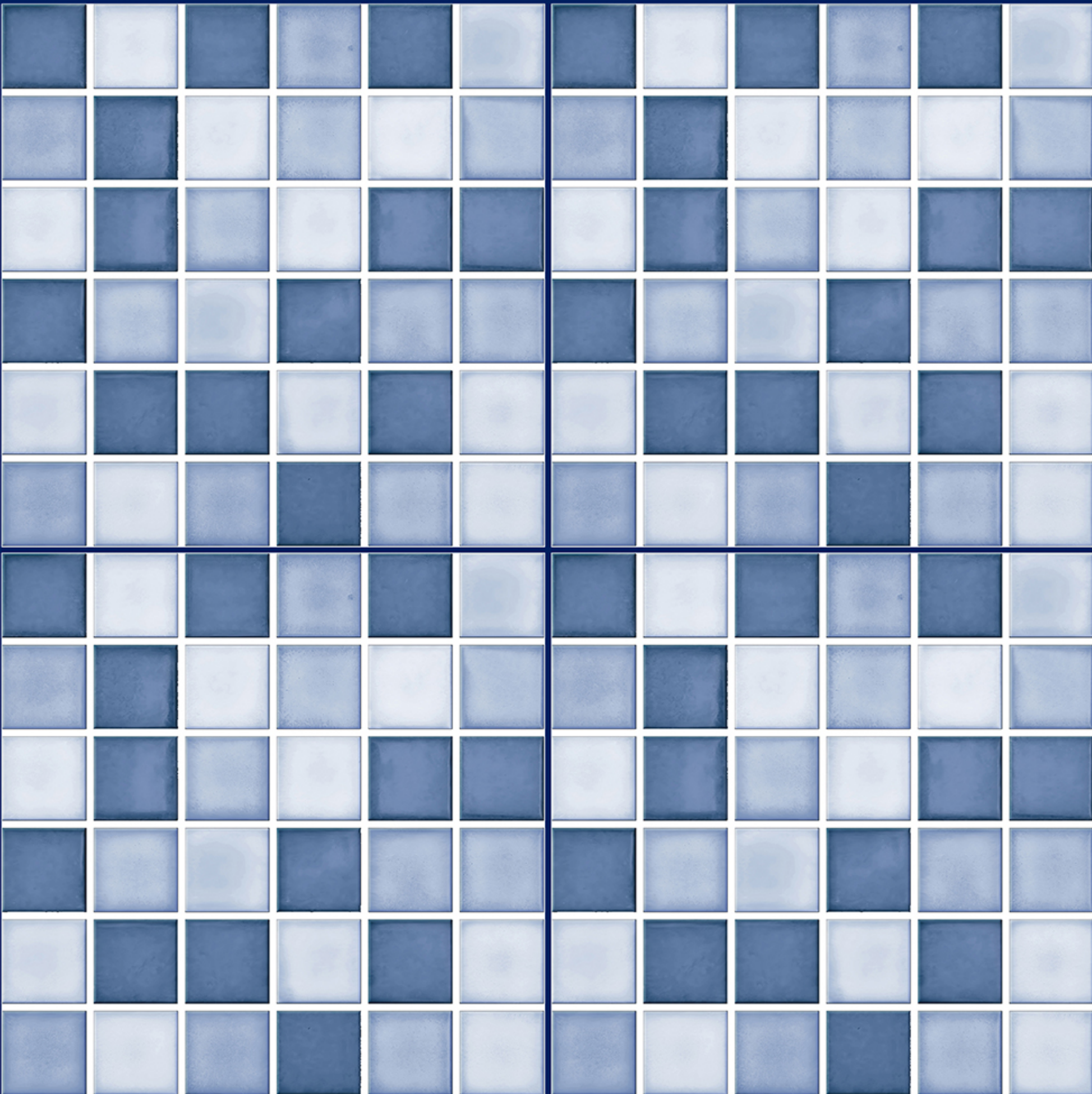
Cool Roof Tiles

300x300 mm

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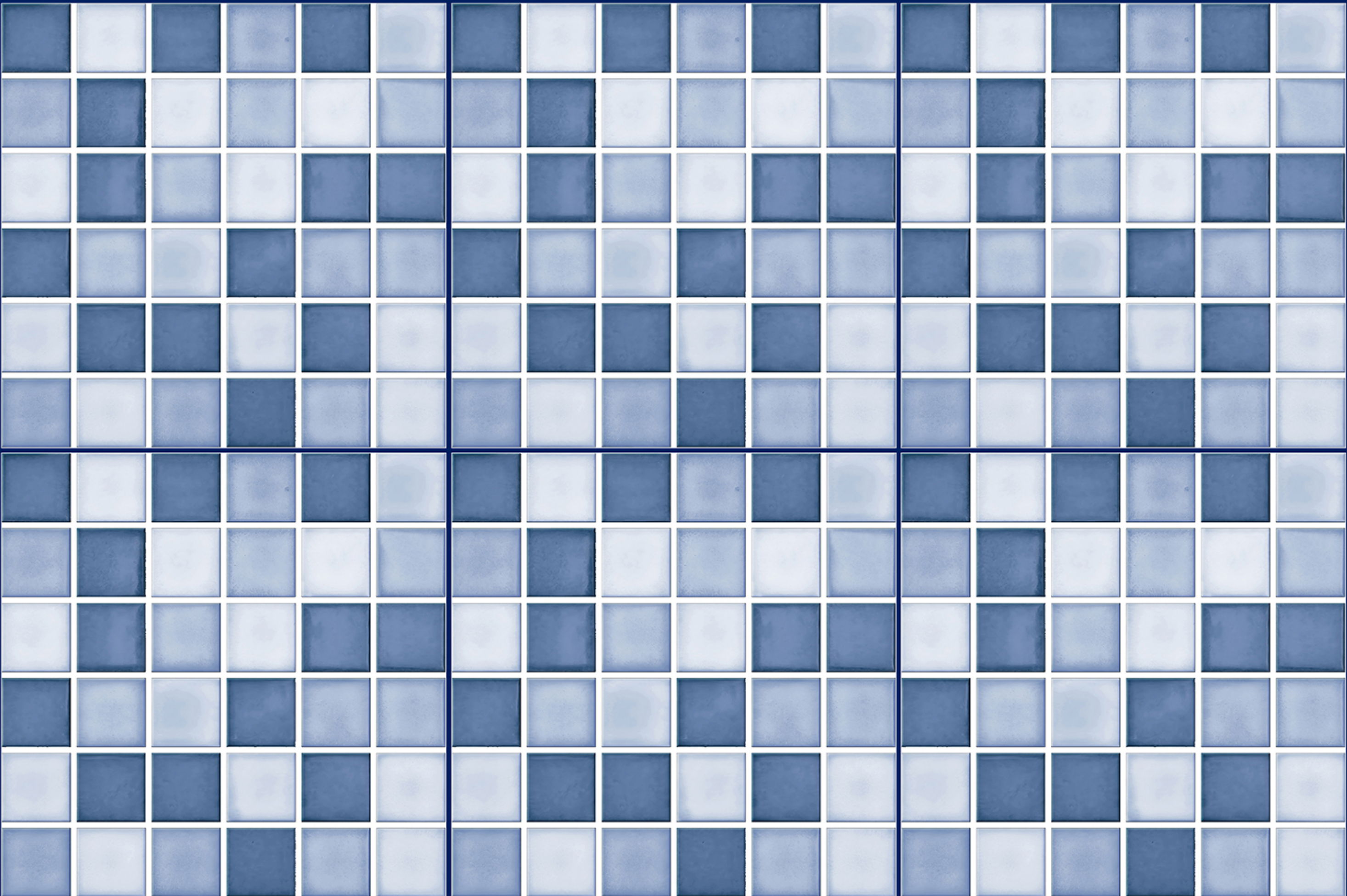
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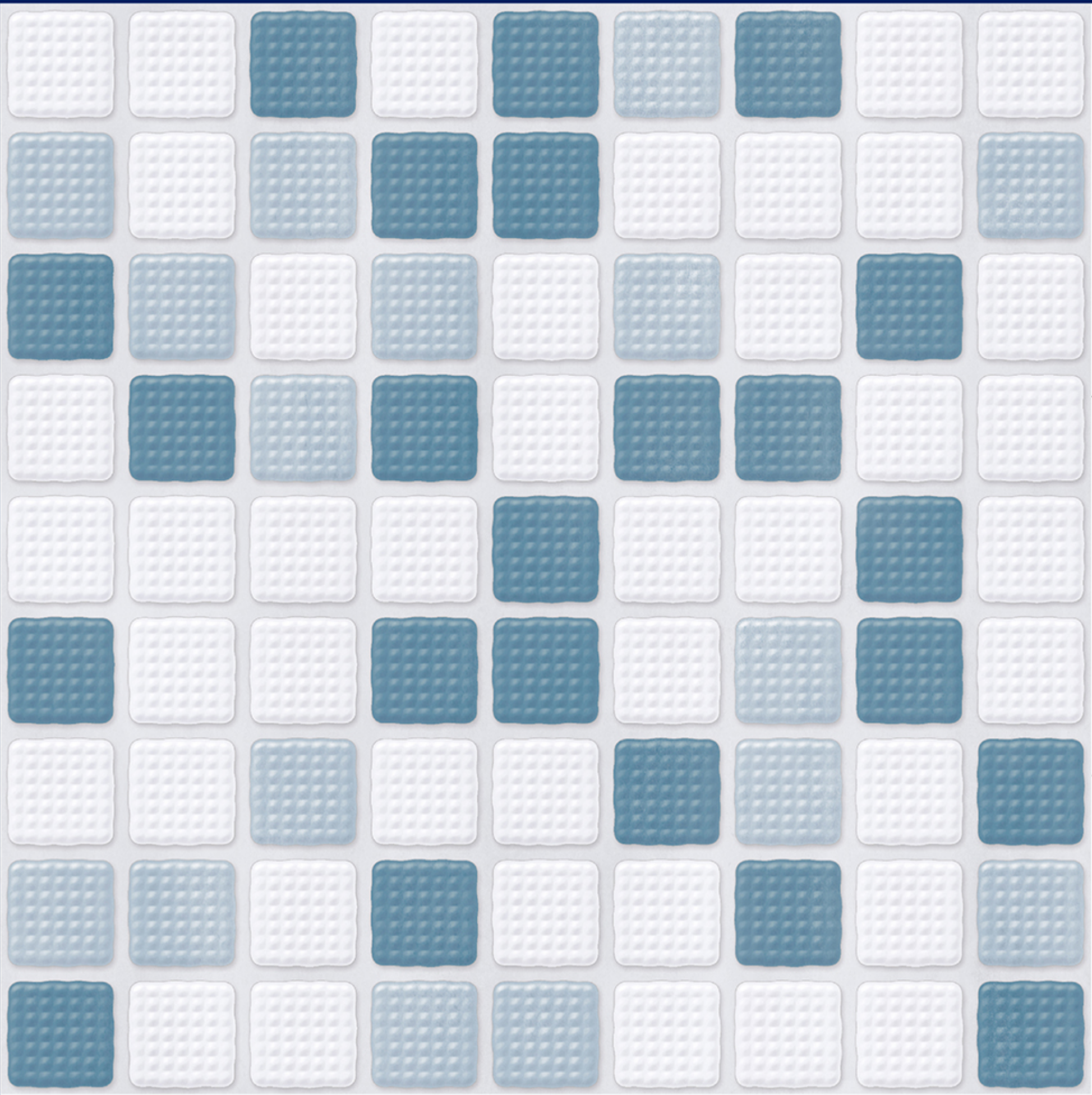


Sugar

Matt

Cool - 1026



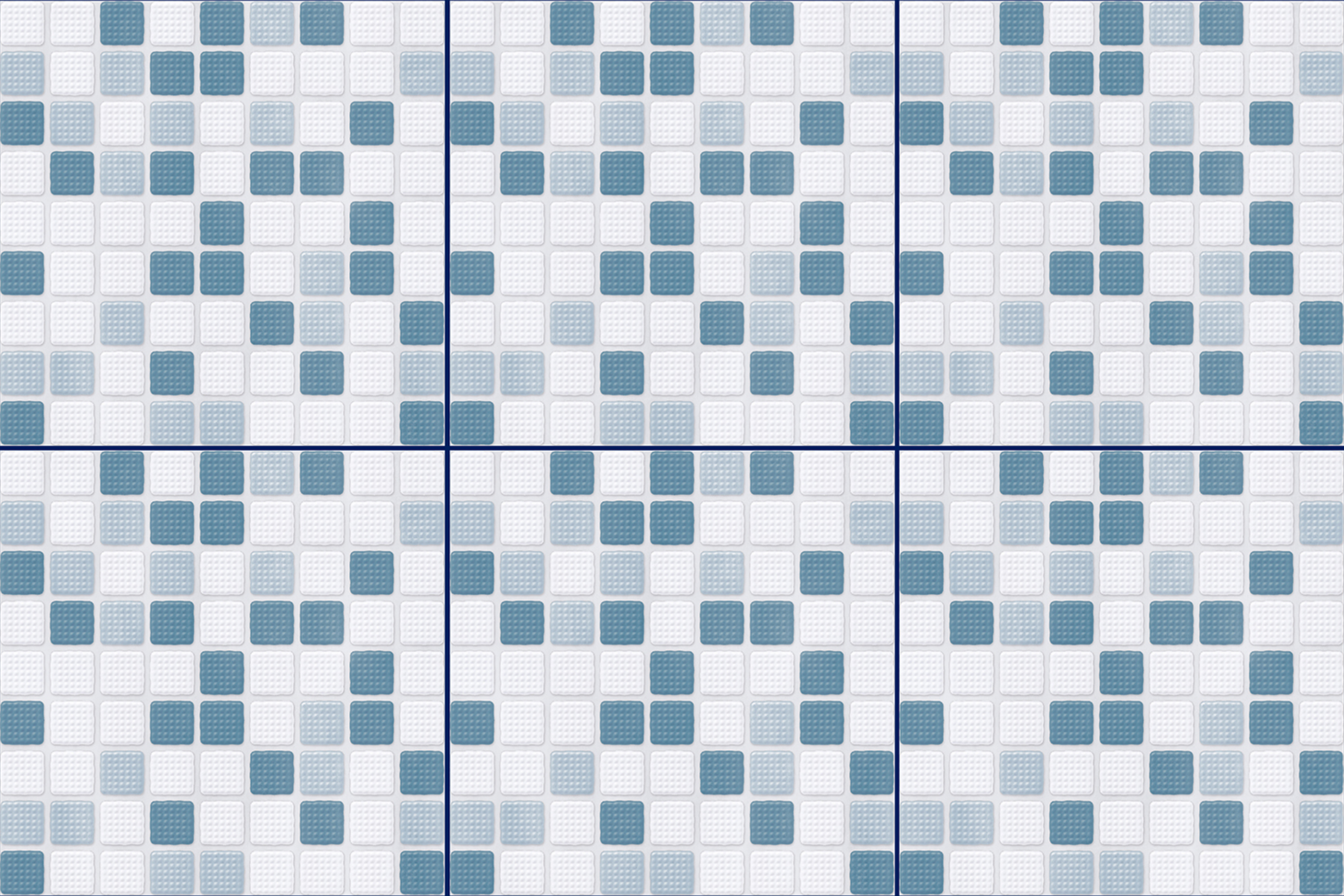


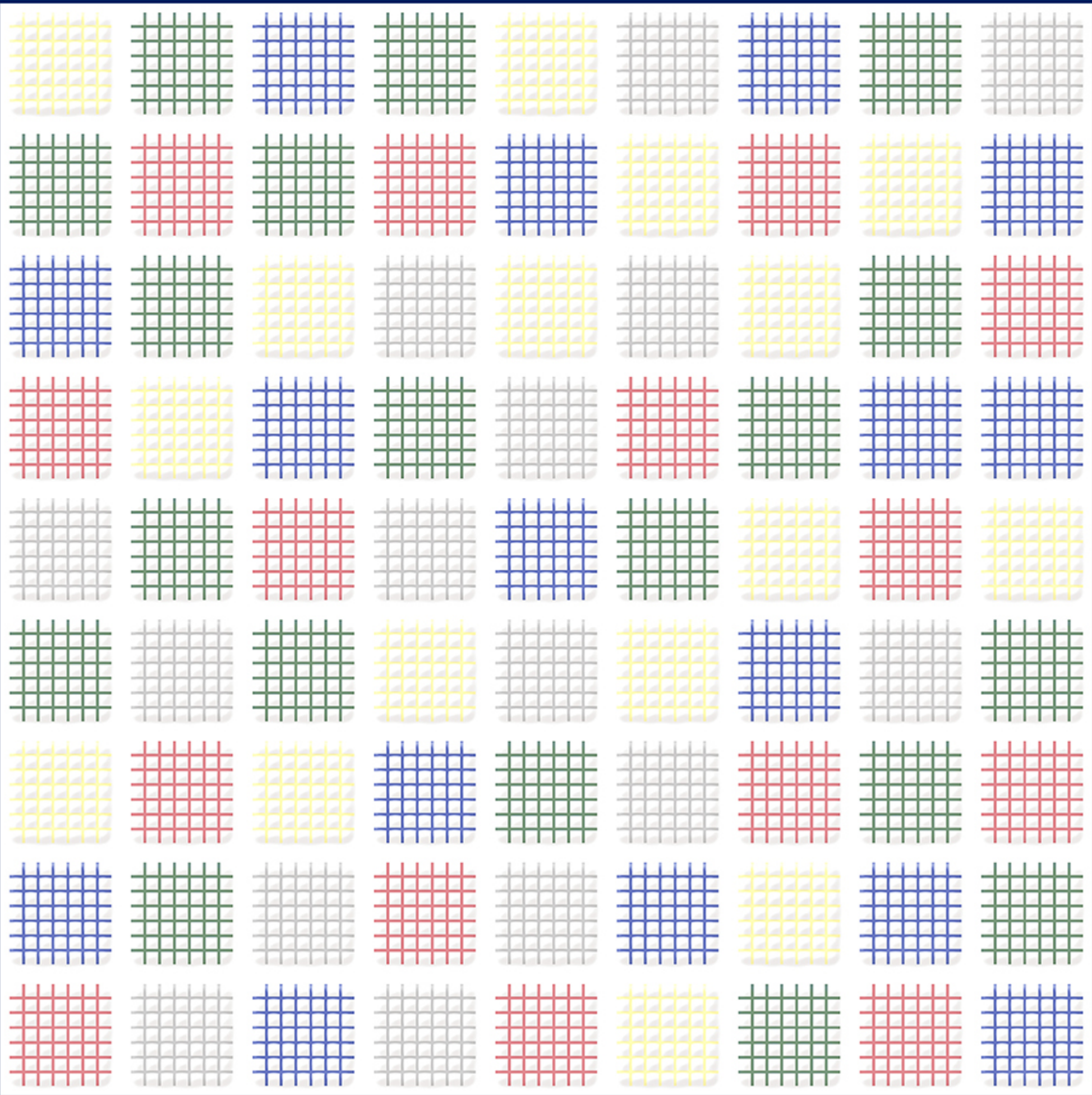
Surface

Glossy

Matt

Cool - 1042



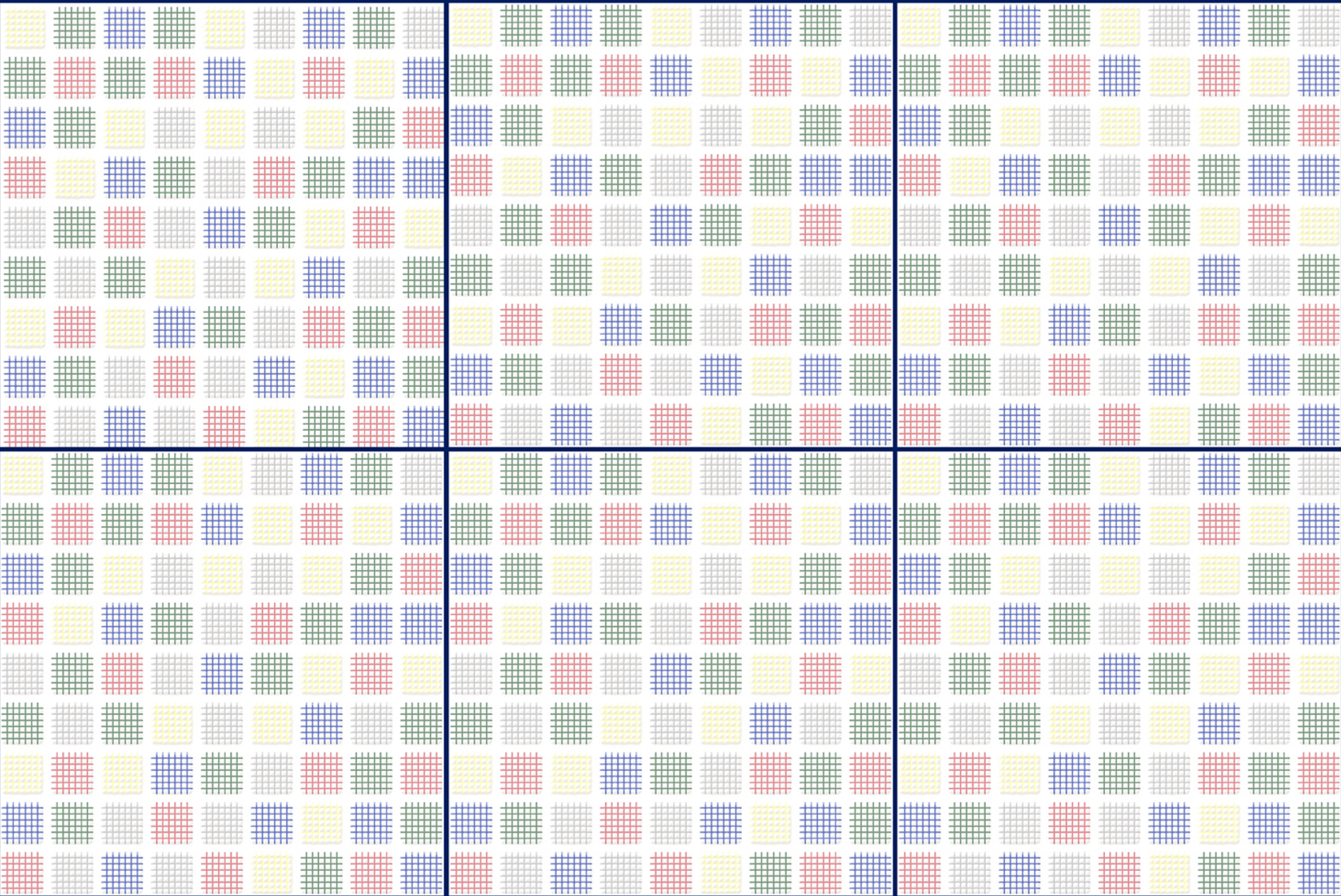


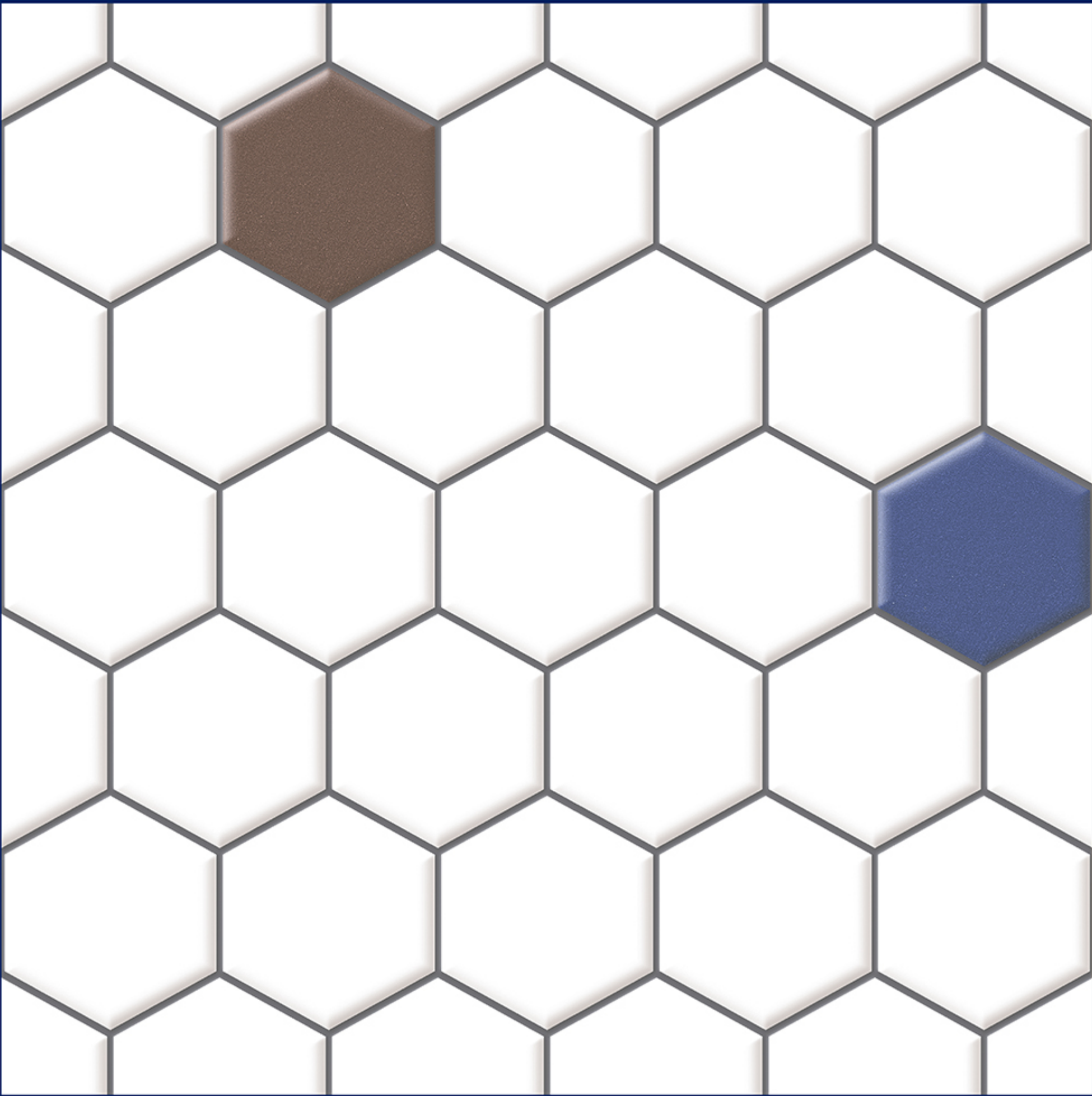
Surface

Sugar

Matt

Roof - 71

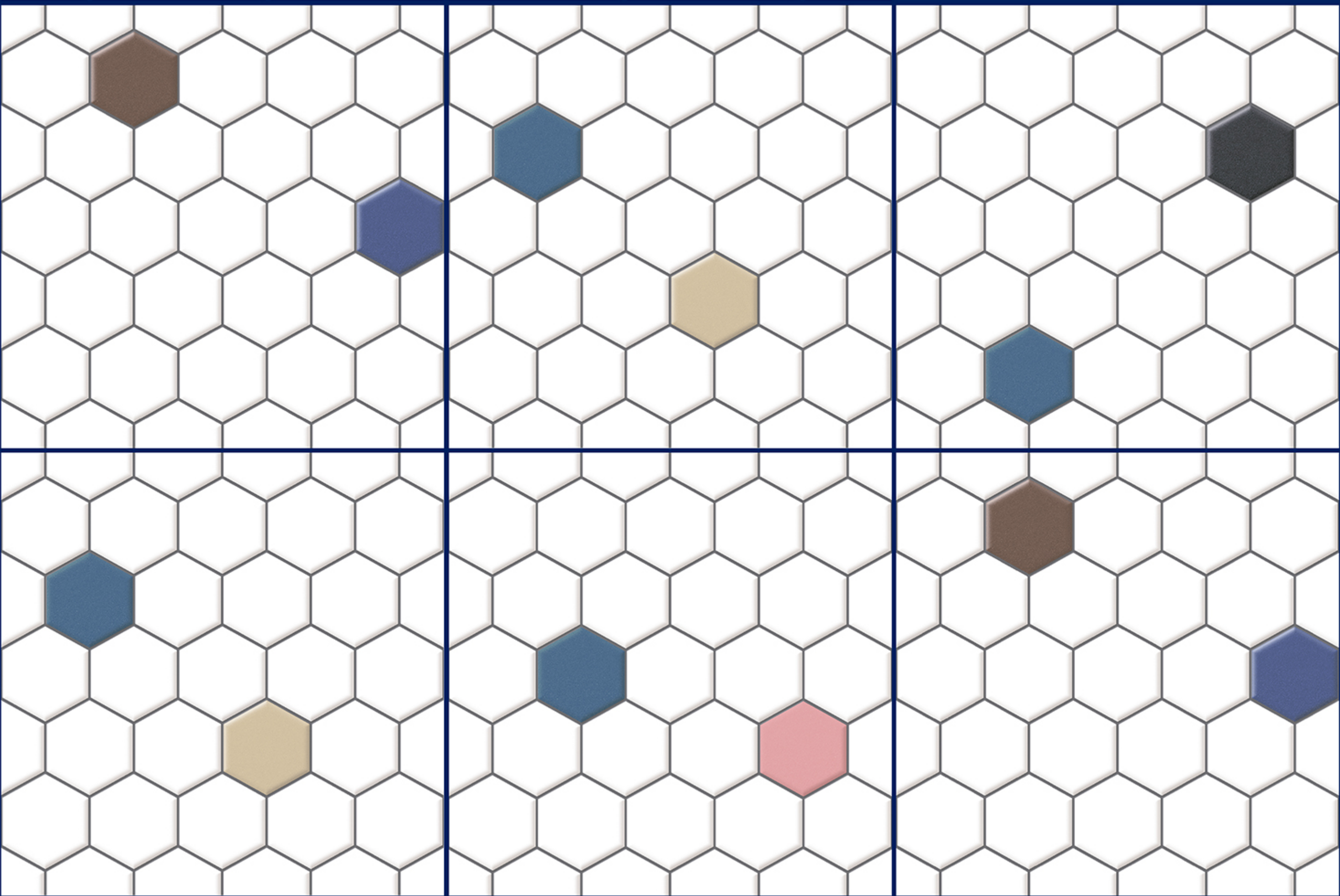




Surface

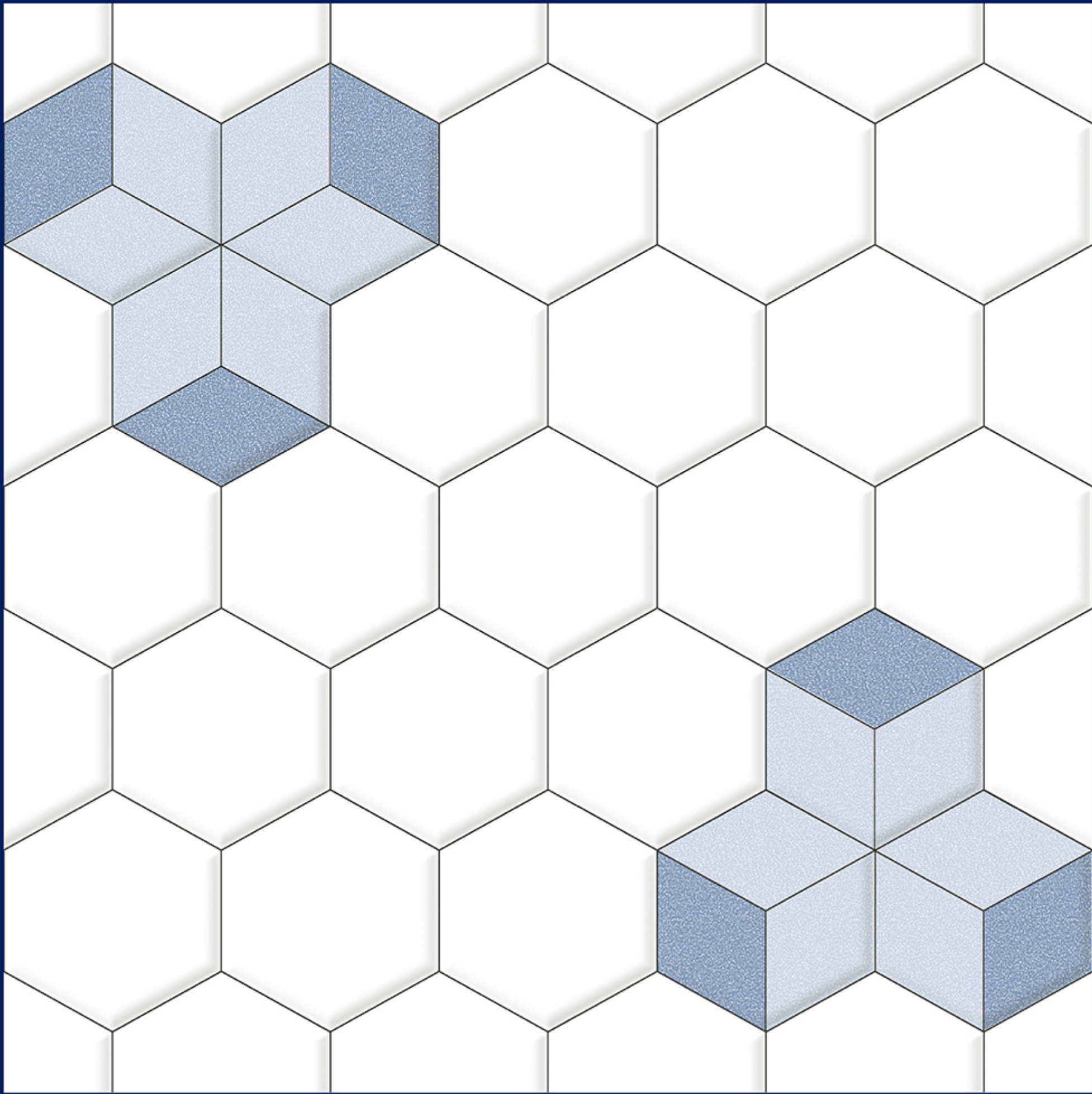
Sugar
Matt

Roof - 72
(Random)



Cool Roof Tiles
300x300 mm

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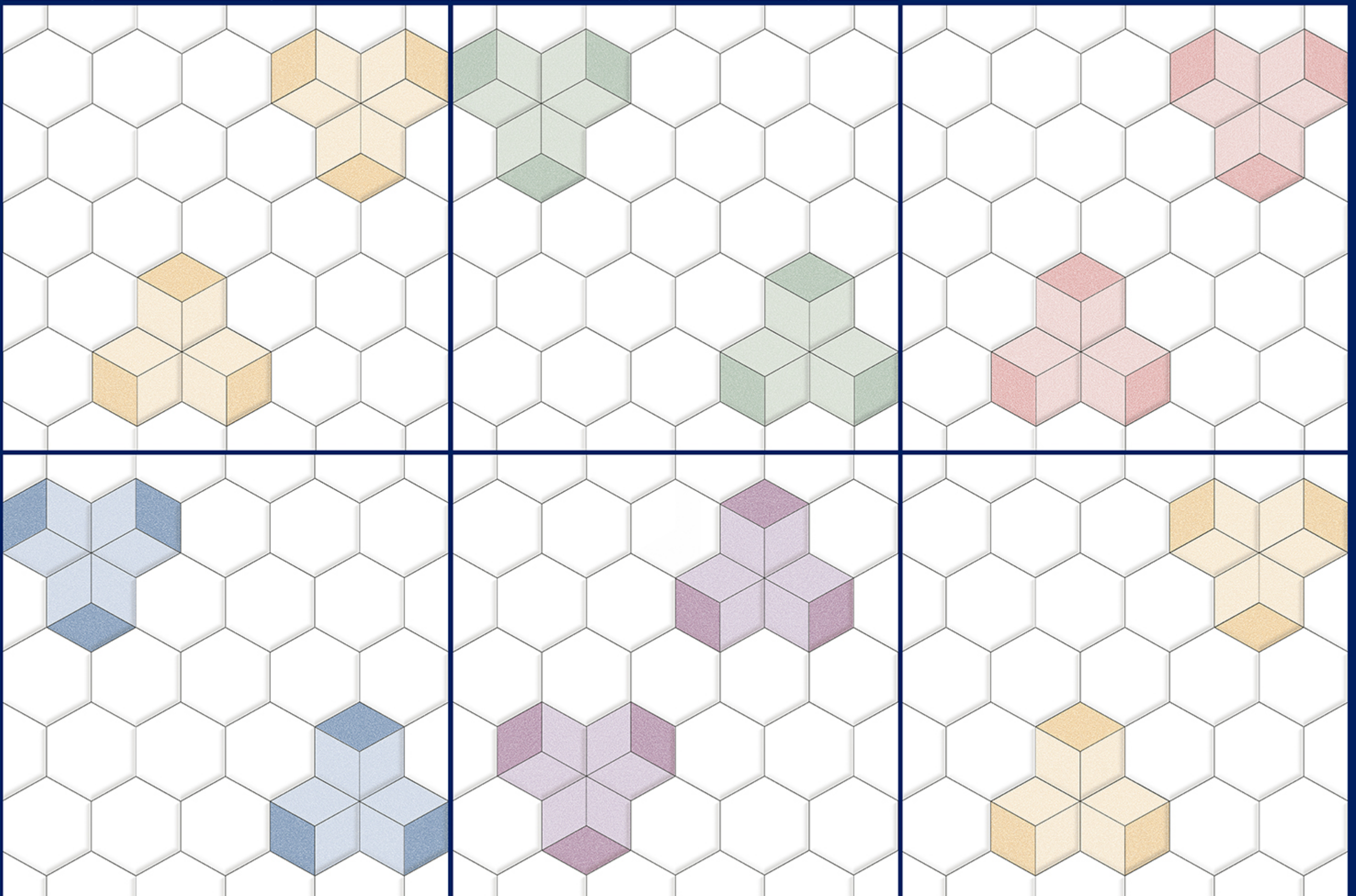


Surface

Sugar

Matt

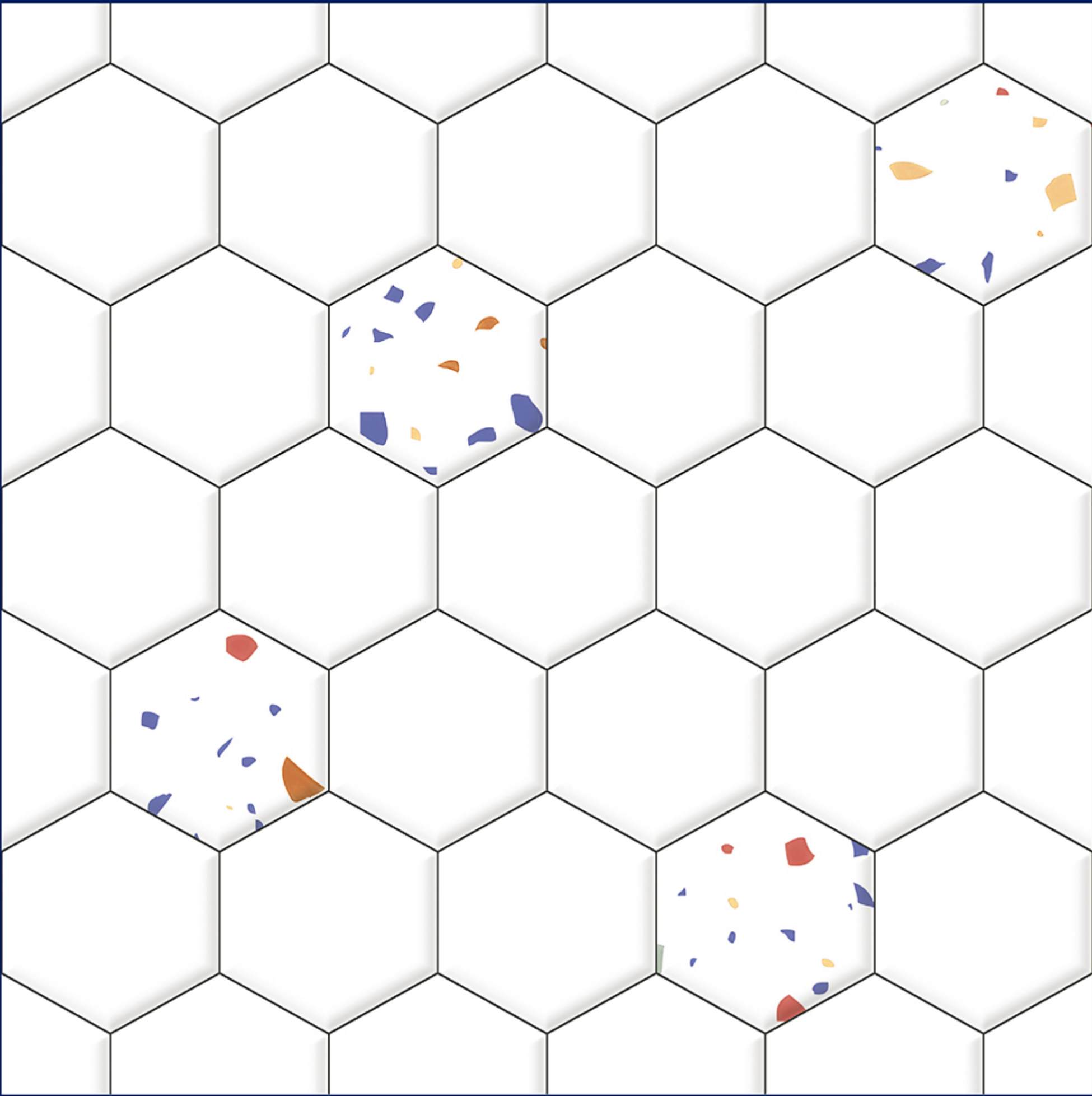
Cool - 1006
(Random)



Cool Roof Tiles

300x300 mm

www.kyrosceramic.com

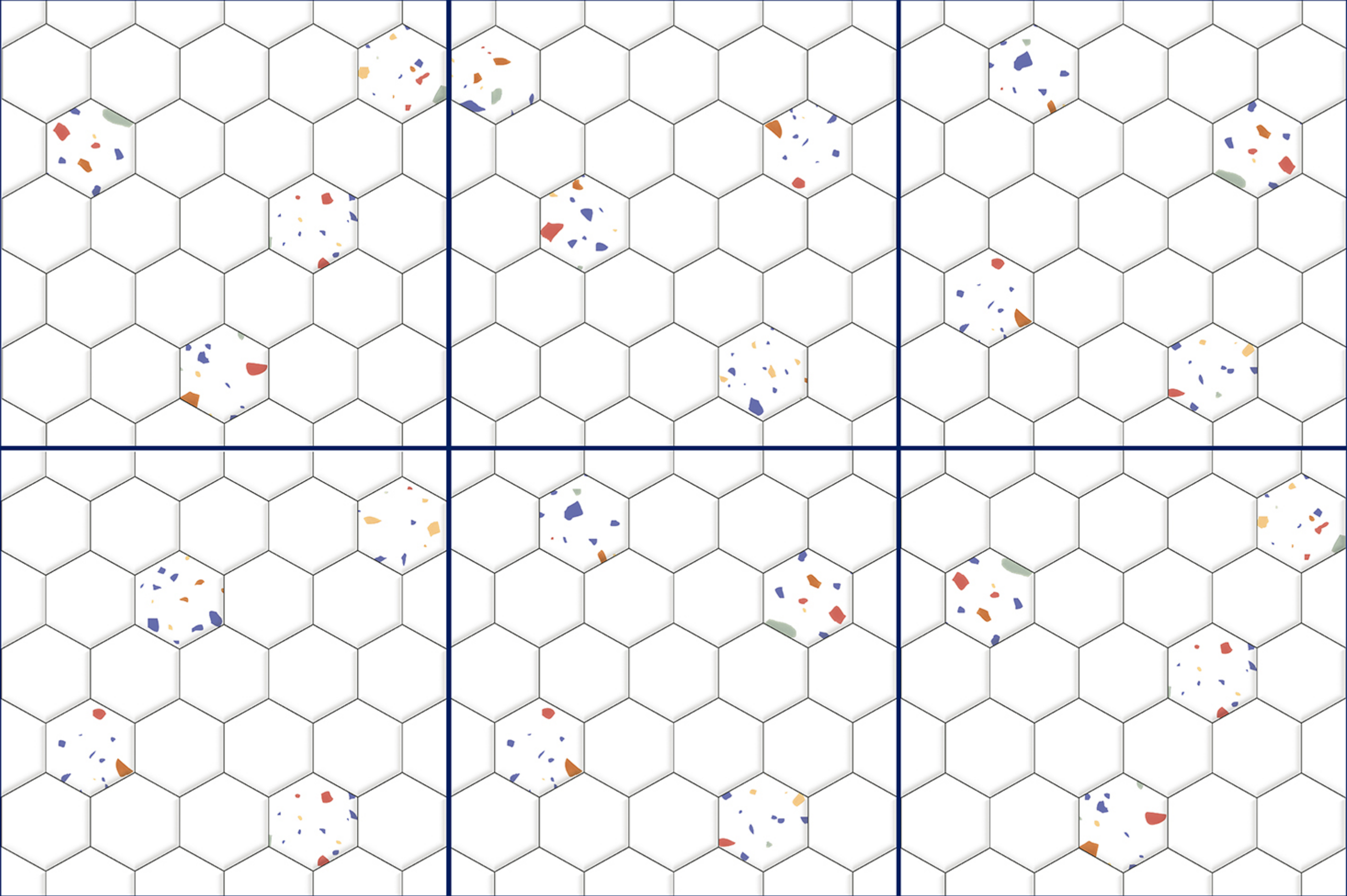


Surface

Sugar

Matt

Cool - 1010
(Random)



Cool Roof Tiles
300x300 mm

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KYROS CERAMICS PVT LTD

8-A, National Highway, Bandhunagar,
Near Makansar, Morbi - 363641
Gujarat - India.

Contact Us : +91 85111 19162
www.kyrosceramic.com

ULR-TC702025000000001F

Report No: CRDF/RPT/SRI/952

Report Date: 09th January 2025

Report of test carried out by CEPT Research & Development Foundation for Solar Reflectance Index of Supplied Material

The test results of the specimen submitted for Solar Reflectance Index on date 07th January 2025 are as under:

1. Customer Information

- i. **Name of the Organization** : Kyros Ceramic Pvt Ltd
- ii. **Contact Person** :
- iii. **Address** : 8-A, National Highway, Bandhunagar, Near
Makansar, Gujarat
- iv. **Phone Numbers** :
- v. **Fax Number** : Not Applicable
- vi. **Email** :

2. Photometry Testing

2.1 Glazing Materials

2.1.1. Sample Details

- i. **Sample Identification Number** : SRI/01/25/1951
- ii. **Date of Test** : 08th January 2025
- iii. **Name and any other pertinent Identification of the material** : COOL ROOF TILES
- iv. **Thickness of the specimen (As declared by customer)** : 9 mm
- v. **Thickness as tested** : 9.265 mm
- vi. **Condition of Sample when received** : Satisfactory
- vii. **Method and Environment used for Conditioning (if used)** : Not Applicable
- viii. **Condition used for laboratory soiling And weathering (if used)** : Not Applicable
- ix. **Description of soiling mixture (If laboratory soiling and Weathering used)** : Not Applicable
- x. **Instrument used** : Spectrophotometer with integrating sphere with reference material Spectralone & FTIR with IR specular reflection set.
- xi. **Environmental Conditions maintained during the test** : Temperature 23.5° C and Humidity 39 % Rh
- xii. **Boundary Conditions (Test Method)** : ASTM E 1980, BS EN 12898, EN 673 and EN 410



N.D. Bhesaniya

Analyzed By:
Nikhil Bhesaniya
Deputy Manager

Yashkumar Shukla

Reviewed By:
Yashkumar Shukla
Technical Director

Yashkumar Shukla

Authorized By:
Yashkumar Shukla
Technical Director

ULR-TC702025000000001F

Report No: CRDF/RPT/SRI/952

Report Date: 09th January 2025

4 Results of the measurement:

Solar Direct Reflectance

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
COOL ROOF TILES	SRI/01/25/1951	0.8074	0.8077	0.8074	0.8075

Emissivity

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
COOL ROOF TILES	SRI/01/25/1951	0.866	0.866	0.866	0.866

Solar Reflectance Index (SRI) under different wind conditions

Sample name	Sample ID	Solar Reflectance Index (SRI)		
COOL ROOF TILES	SRI/01/25/1951	Low Wind($h_c=5 \text{ W m}^{-2} \text{ K}^{-1}$)	Medium Wind($h_c=12 \text{ W m}^{-2} \text{ K}^{-1}$)	High Wind($h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$)
		100	100	101

Surface Temperature (T_s) under different wind conditions

Sample name	Sample ID	Surface Temperature ($^{\circ}\text{C}$)		
COOL ROOF TILES	SRI/01/25/1951	Low Wind($h_c=5 \text{ W m}^{-2} \text{ K}^{-1}$)	Medium Wind($h_c=12 \text{ W m}^{-2} \text{ K}^{-1}$)	High Wind($h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$)
		49.1	44.4	40.7

Remark, if Any:

5 Certificate of Accuracy:

This is to certify that the test results herein presented are, to the best of my knowledge, true and accurate representations of the samples submitted.

N.D. Bhesaniya

Analyzed By:
Nikhil Bhesaniya
Deputy Manager

Disclaimer:

1. The CEPT Research & Development Foundation is not responsible for any kind of alterations in the physical property of the sample and the customer is solely responsible for it and its consequences.
2. The test results and the statement of compliance with specification in this report relate only to the test sample as tested and not to the sample/item from which the test sample was drawn. Sample will be destroyed after 7 days of issue of the report unless specified by the customer.
3. Any complains about this report should be communicated in writing within 7 days of issue of the report.
4. The test report shall not be reproduced fully or partially or in parts and cannot be used as an evidence in a court of law and shall be used in advertising media without written approval of Director, CEPT Research & Development Foundation.

Yashkumar Shukla
Reviewed By:
Yashkumar Shukla
Technical Director



Yashkumar Shukla
Authorized By:
Yashkumar Shukla
Technical Director

TECHNICAL SPECIFICATIONS

Packing Details						
Size	No. of Tiles Per Box	Covered Area Per Box		No. of Surface		
(In mm.)		(In Sq. Mtr.)	(In Sq. ft.)			
300X300 (Cool Tile)	10	0.9	9.69	Glossy	Matt	Sugar

		Requirement as per IS 15622:2017	Requirement as per IS 15622:2017
Characteristics	Test Method	Cool Tile Floor Body Value	Cool Tile Paver Body Value
Dimension & Surface Quality			
Deviation in Length & Width	IS 13630 Part1	± 0.1 %	± 0.1 %
Deviation in Thickness		± 4.0 %	± 4.0 %
Straightness of Sides		± 0.1 %	± 0.1 %
Rectangularity		± 0.1 %	± 0.1 %
Surface Flatness		± 0.2 %	± 0.2 %
Surface Quality		Conforms	Conforms
Physical Properties			
Water Absorption %	IS 13630 Part 2	8-10%	Max 2%
Modulus of Rupture in [N/mm ²]	IS 13630 Part 6	Min 30 N/mm ²	Min 36 N/nm ²
Breaking Strength in N	IS 13630 Part 6	Min 700 N	Min 1600 N
Moisture Expansion	IS 13630 Part 3	Conforms	Conforms
Scratch Hardness (Moh's Scale)	IS 13630 Part 13	4 Min	Min 6
Resistance to Surface abrasion of glaze tiles Class I to V (Applicable for floor applications only)	IS 13630 Part 11	Class II to IV (Depending on surface)	Class III to V (Depending on surface)
Linear thermal expansion Co-efficient	IS 13630 Part 4	Conforms	Conforms
Thermal Shock Resistance	IS 13630 Part 5	Passed	Conforms
Crazing Resistance	IS 13630 Part 9	Passed	Conforms
Impact Resistance	IS 13630 Part 14	Min 0.60	Min 0.60
Bulk Density, in g/cc	IS 13630 Part 2	Min 2.18 g/cc	Min 2.24 g/cc
Frost Resistance	IS 13630 Part 10	Passed	Passed
Chemical Properties			
Resistance to staining of Glazed Tiles	IS 13630 Part 8	Min. Class-1	Min. Class-1
Resistance to Household Chemicals		Min. Class-AA	Min. Class-AA
Resistance to acids and alkalis (Except HF)		Min. Class-AA	Min. Class-AA

NOTE: Certain amount of Size and Shade variation is inherent in all ceramic products. Within the limits of printed material, the colors and aesthetics of the products correspond closely to those of illustrated products. Prospective customers are advised to inspect a sample of the tile before ordering and laying. At all points of time, the company liability is restricted to the purchase value of tiles.

Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to delete & change, any of the items, colors, sizes & technical specifications without any prior notice.