sangetsu

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STAIN PREVENTION

EVAL® BARRIER CLOTH

フィルム汚れ防止壁紙 Stain Prevention

SIAA ISO 22196 無機抗菌剤・練り込み・表面層 抗菌加工 JP0122489X0002J

Wallpaper that is Resistant to Stains and Scratches due to the effect of EVAL® Film

1. Isolated stains, excellent chemical resistance

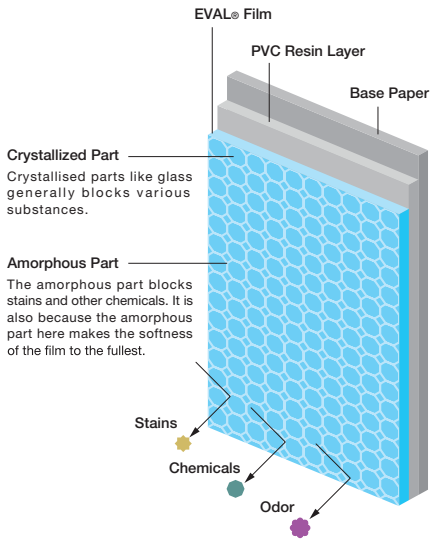
It can be cleaned with water or a neutral detergent and has excellent stain resistance. In addition, it has excellent chemical resistance and antibacterial properties.

2. Excellent antibacterial properties, long-lasting cleaning

The wallpaper surface is finished with a high-safety EVAL® film that is also used in food packaging. It effectively inhibits the reproduction of bacteria such as Escherichia coli, Staphylococcus aureus and MRSA.

3. Prevent surface scratches

The EVAL® film has excellent surface strength and is effective in preventing scratches and flaking caused by hard objects.



■ Stain Resistance Test Results

Contamination	EVAL Wallpaper			Ordinary PVC Wallpaper		
	Water	Neutral Detergent	Alcohol	Water	Neutral Detergent	Alcohol
Coffee	◎	◎	◎	△	△	△
Soy Sauce	◎	◎	◎	×	△	△
Sauce	◎	◎	◎	××	×	×
Orange Juice	◎	◎	◎	○	◎	◎
Water-based Wall	○	◎	◎	×	×	×
Crayon	△	◎	◎	××	××	××
Oily Pen	××	×	◎	××	××	××
Lipstick	△	◎	◎	××	×	××

[Evaluation Criteria] Based on the antifouling wallpaper performance test of the Wallpaper Industry Association, the pollutants are based on our benchmark.
[Judgment Criteria] Based on JIS L 0805: Grade 1 (Bad XX) - Grade 5 (Excellent OO) Degree of Pollution

※ Evaluation of anti-fouling performance 24 hours after contamination of various pollutants.

◎ : Grade 5 No stains remain
○ : Grade 4 Almost no stains remain
△ : Grade 3 Some stains remain
× : Grade 2 A lot of stains remain
×× : Grade 1 Thick stains remain

■ Chemical Resistance Test Results

Chemical Name	EVAL Wallpaper	Ordinary PVC Wallpaper
Sodium Chlorite (6%)	◎	◎
Anhydrous Alcohol (99.5vol%)	◎	◎
Ammonia Water (25%)	◎	◎
Hydrogen Peroxide (3.5w/v%)	◎	◎
Povidone Iodine (7%)	○	△
Hydrochloric Acid (9.5%)	◎	◎
Ammonium Phthalate Solution (10%)	◎	◎
Formalin (37%)	◎	◎
Cresol Soap Liquid (3%)	◎	○
Banana water	◎	○
Compound Iodine Solution	○	×
Rivano	○	△
MEK	◎	○

[Test Method] Based on the JIS K 6902B, pollutants are based on our standards.

◎··· No Change ○··· Small Change △··· Changed ×··· Clear Change

■ Antibacterial Performance Comparison Table

	Escherichia Coli		Staphylococcus Aureus		MRSA	
	After inoculation	After 24 hours	After inoculation	After 24 hours	After inoculation	After 24 hours
EVAL Wallpaper	1.2×10^4	< 0.63	1.1×10^4	< 0.63	1.2×10^4	< 0.63
Polyethylene Film	1.2×10^4	1.5×10^6	1.1×10^4	3.6×10^4	1.2×10^4	7.6×10^4

[Test Method] Based on the anti-baterial test specified by the Wallpaper Industry Association.

■ Stain Removal Performance Comparison

Film Dirt Prevention Wallpaper　　General Vinyl Wallpaper

[Test Method] The wallpaper surface was written with a crayon and wiped with ethanol.

※ Test results are measured values, not guaranteed values.

Antiviral Wallpaper

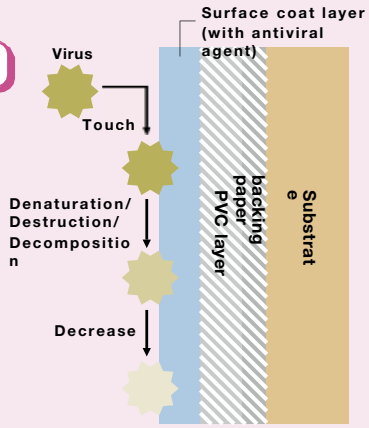
＼ Effective against viruses ／

POINT

Decompose the virus attached to the surface of the wallpaper! Excellent antibacterial properties, helping to create a better hygienic environment.

How Antiviral Wallpaper Works

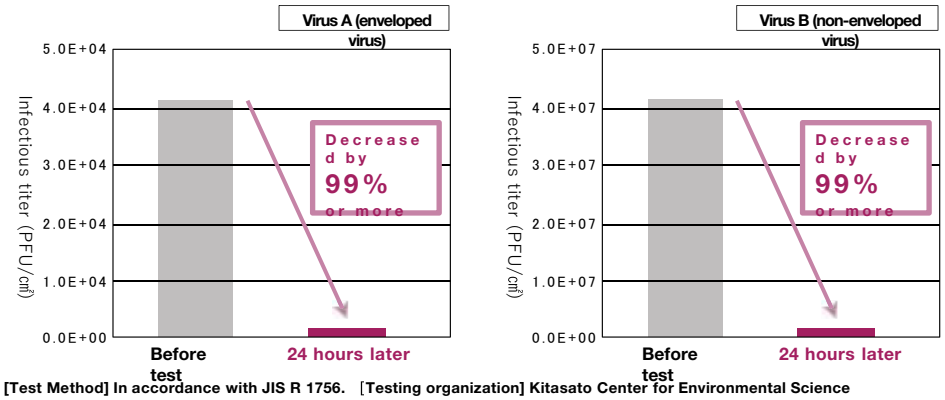
Antiviral ingredients denature and destroy the proteins of the virus surface layer and further decompose organic components. Effective against viruses adhering to wallpaper surfaces.



For more information, check out the website!
https://www.sangetsu.co.jp/pickup/antiviral

Various functional data

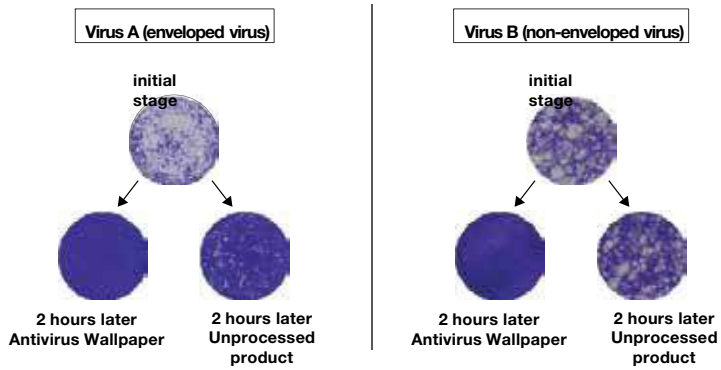
■ Antiviral performance test results



[Test Method] In accordance with JIS R 1756. ［Testing organization] Kitasato Center for Environmental Science
※The above are measured values with typical specifications, not guaranteed values.

■ Antiviral test (plaque method) results

The white areas (plaques) are traces of cells being invaded by the presence of the virus.



■ Antibacterial Performance Comparison Table

It has the performance of the specified value [<0.63].

	Bacteria A		Bacteria B		Bacteria C	
	After inoculation	After 24 hours	After inoculation	After 24 hours	After inoculation	After 24 hours
Antiviral Wallpaper	1.3×10^4	＜0.63	1.4×10^4	＜0.63	1.2×10^4	＜0.63
Unprocessed Test Piece (Polyethylene film)	1.3×10^4	5.1×10^5	1.4×10^4	5.8×10^4	1.2×10^4	5.0×10^4

[Test method] Conforms to the antibacterial wallpaper performance test prescribed by the Wallpaper Industry Association.

※Test results are measured values, not guaranteed values.
※Reduces the number of specific viruses on the product.
※Antiviral wallpaper is not intended to treat or prevent any disease.
※There is no effect of degrading or evading the virus itself.
※Effective against viruses and bacteria attached to the wallpaper surface.
※There is no effect to promote or reduce adsorption of viruses in the air.
※The test results were targeted at specific viruses and bacteria, and not the effect on all viruses and bacteria.

WOODS

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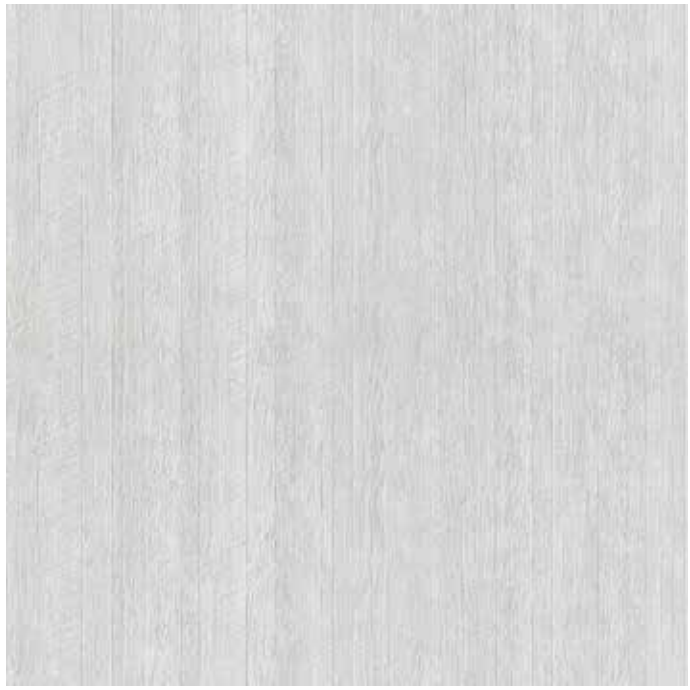

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STONE


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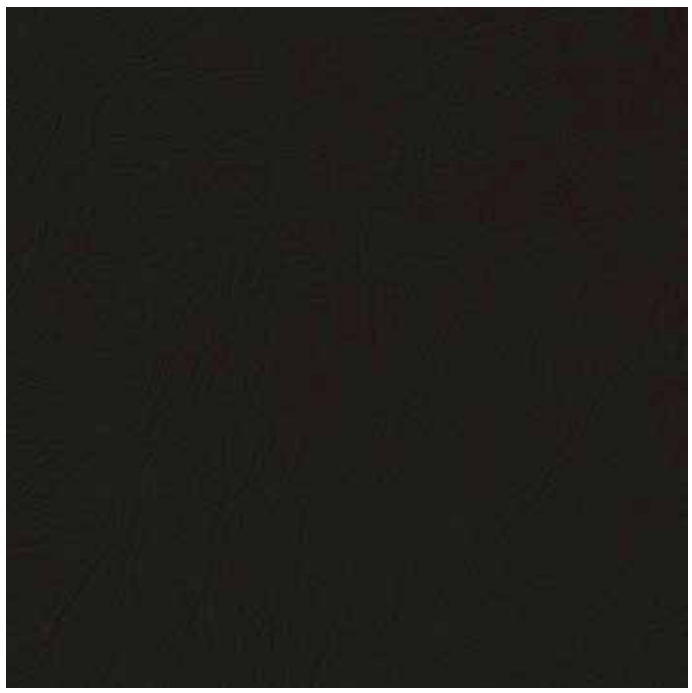

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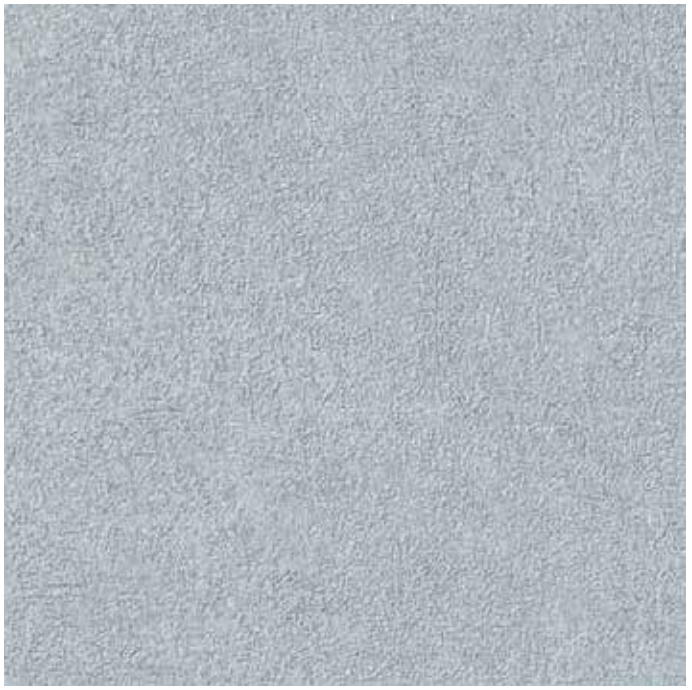

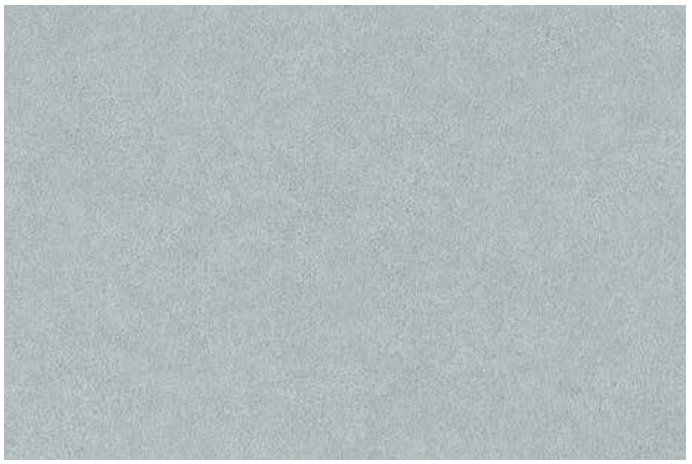

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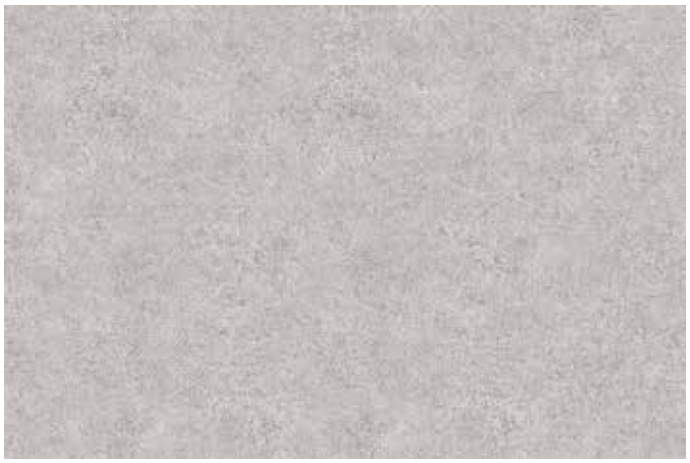

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BLACKBOARD

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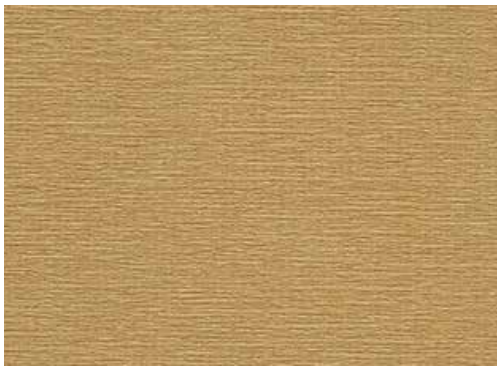

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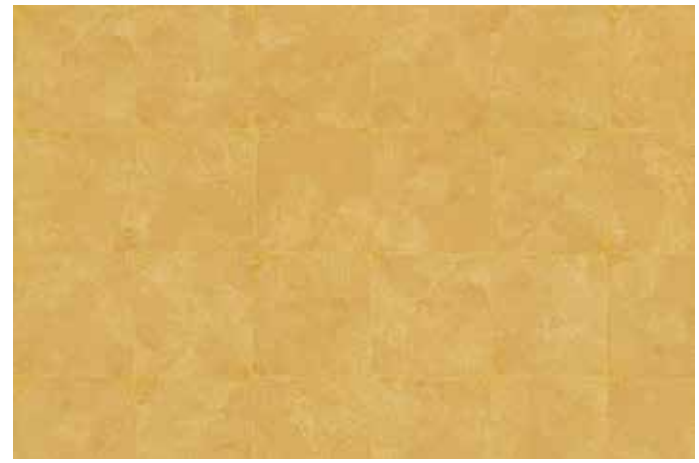

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TEXTILES

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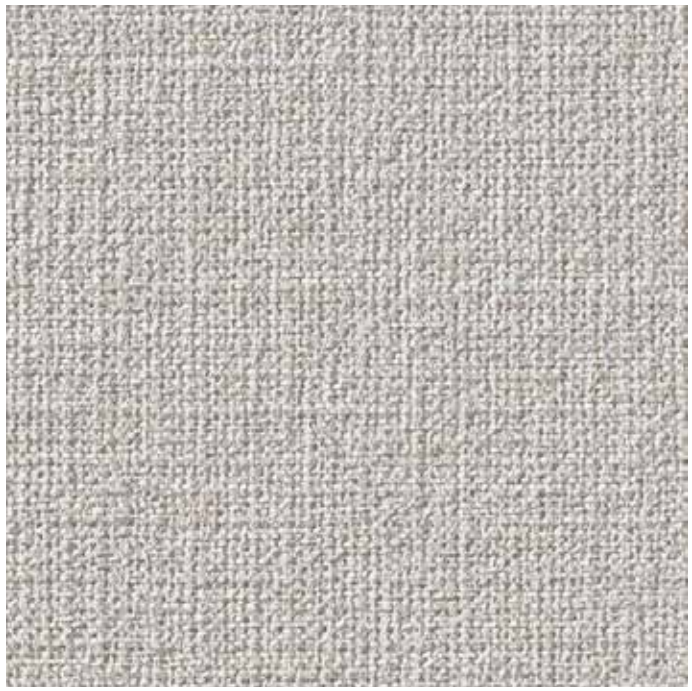

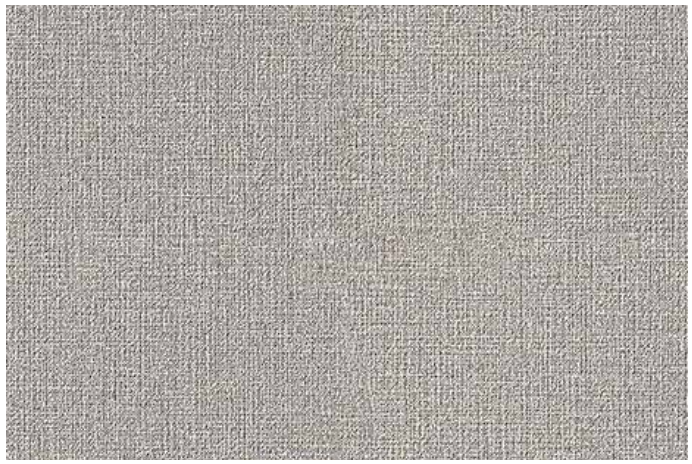

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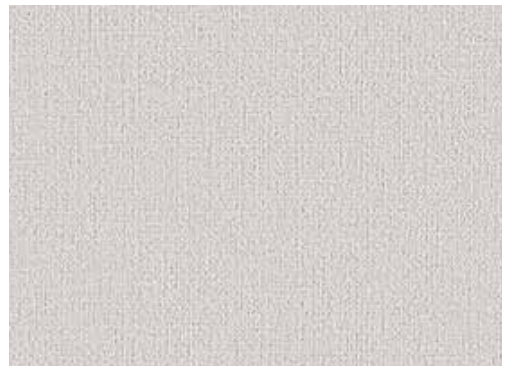

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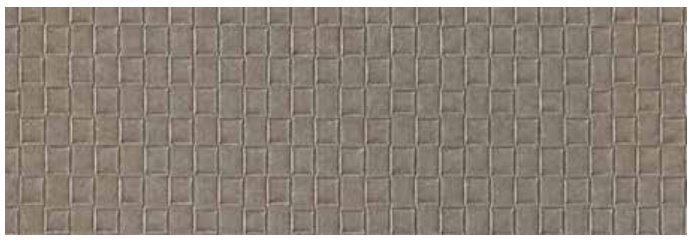

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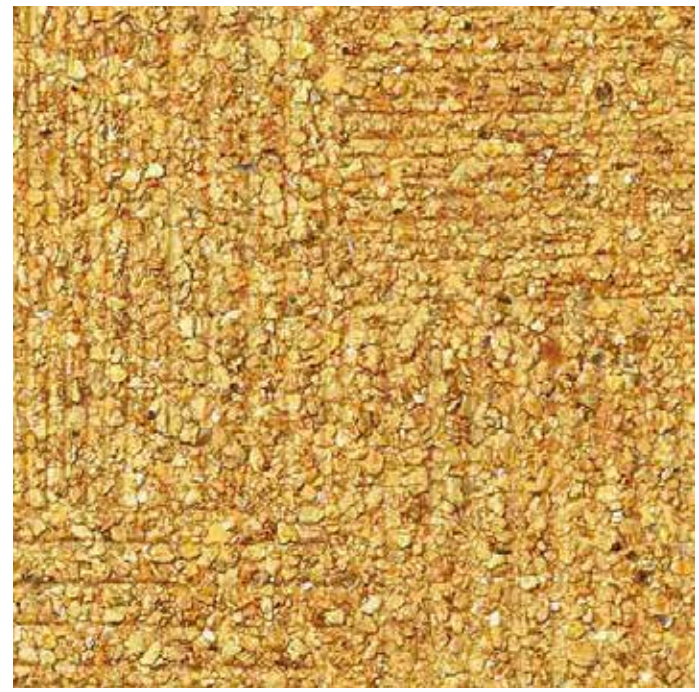

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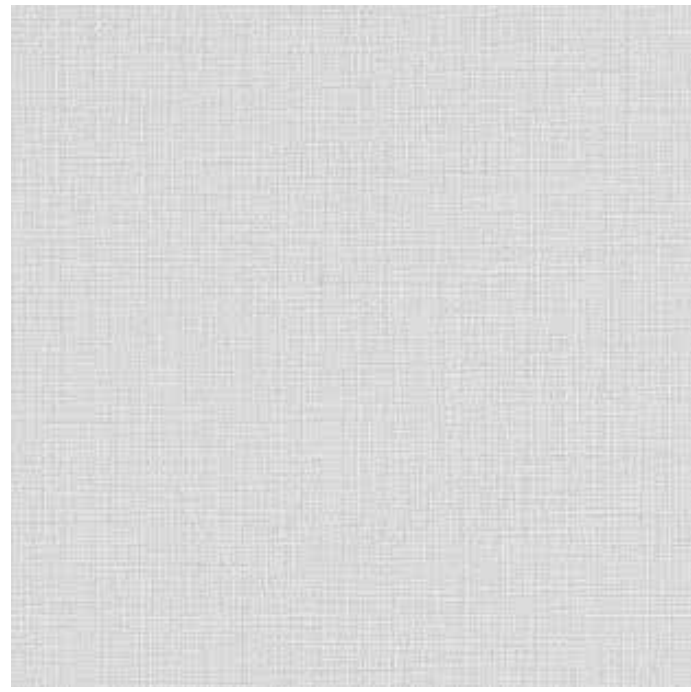

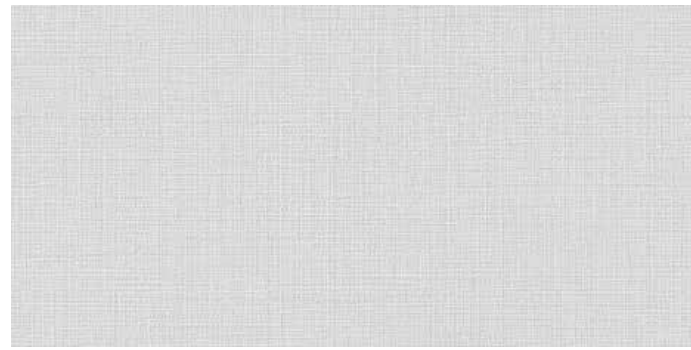

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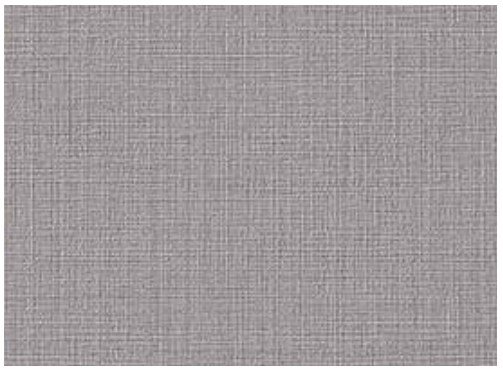

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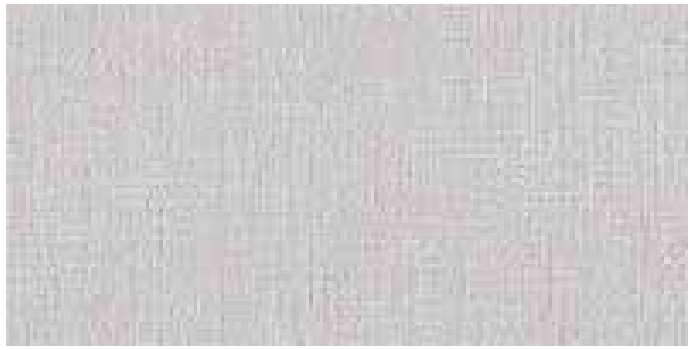

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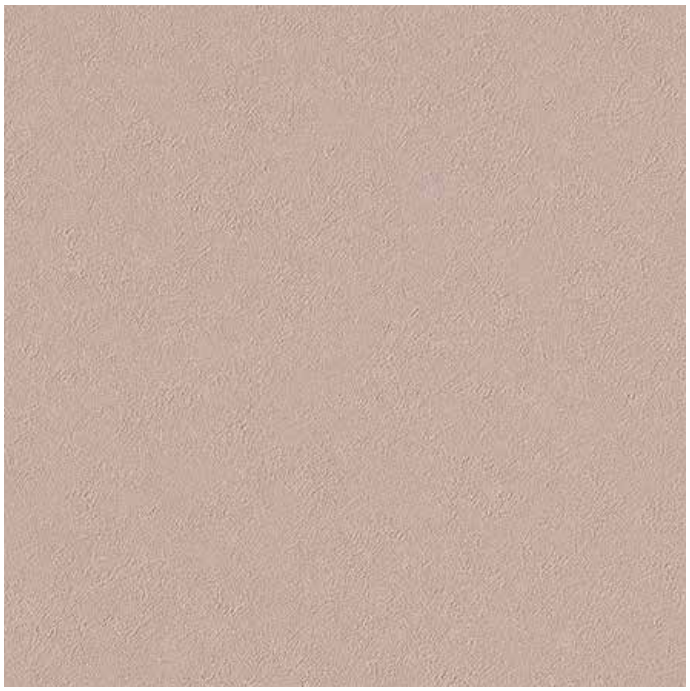

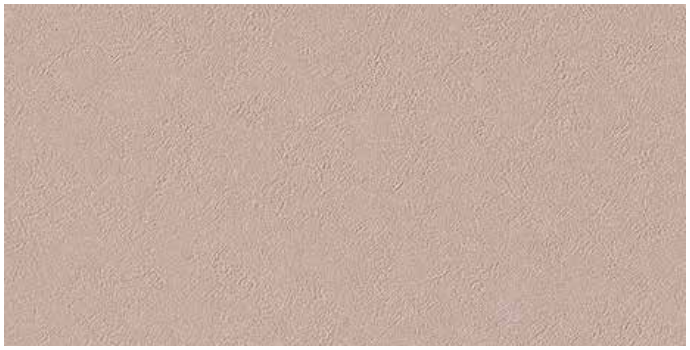

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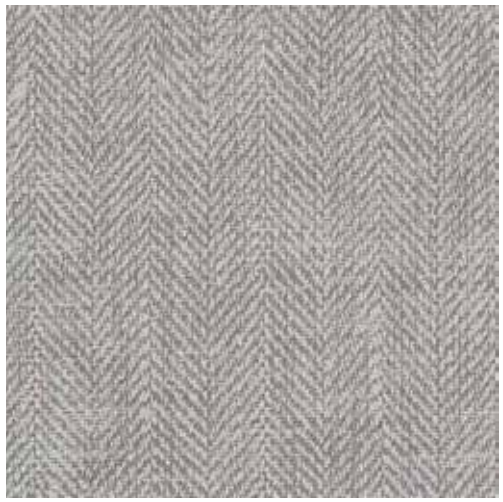

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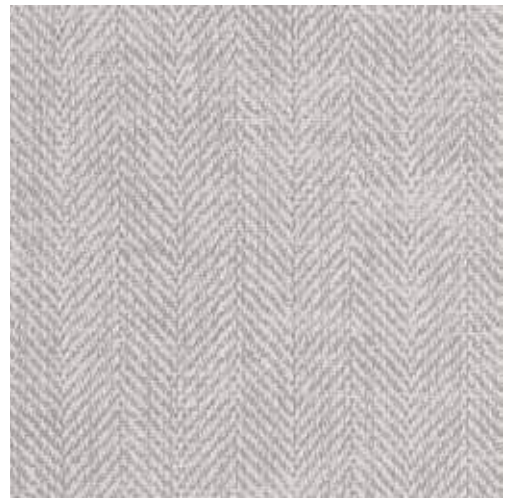

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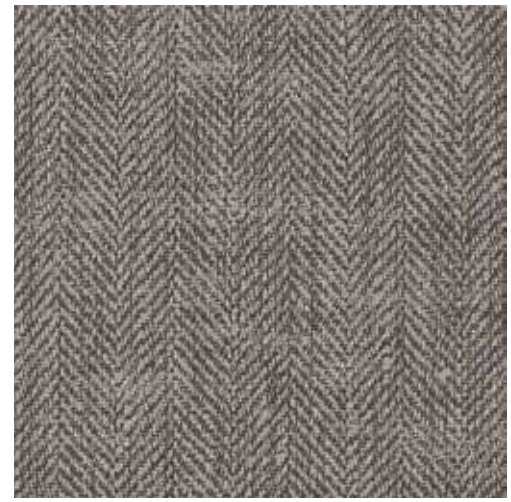

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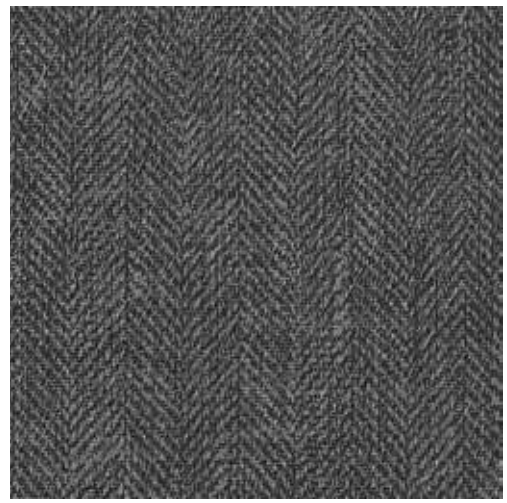

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PATTERNS

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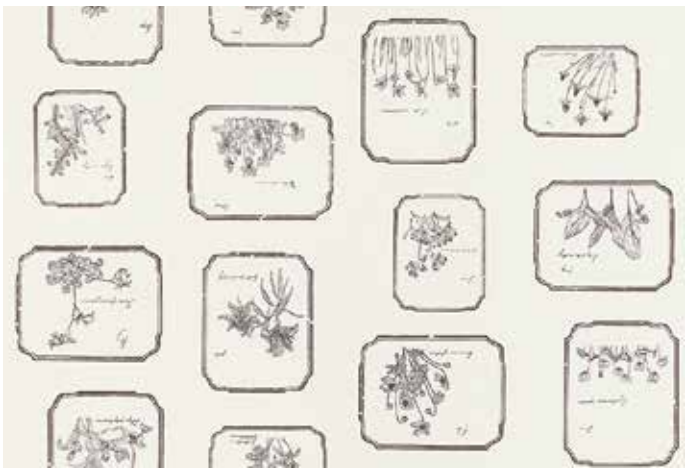

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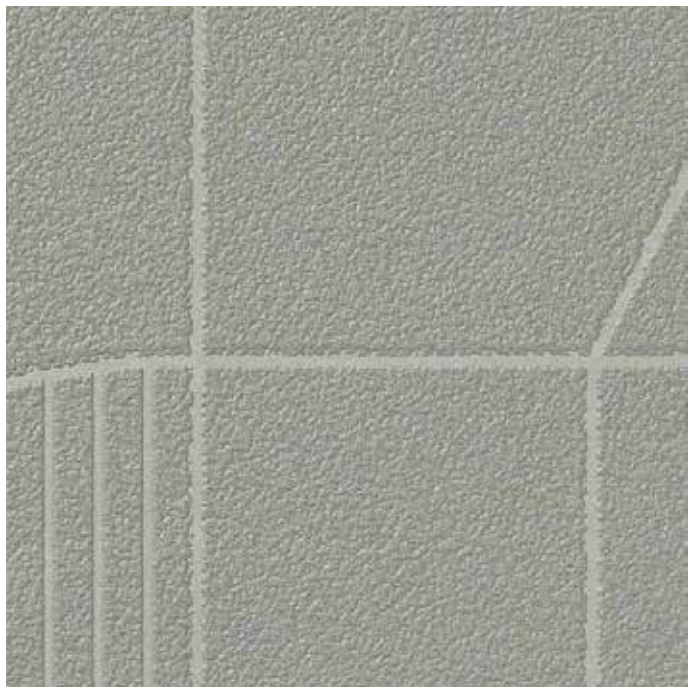

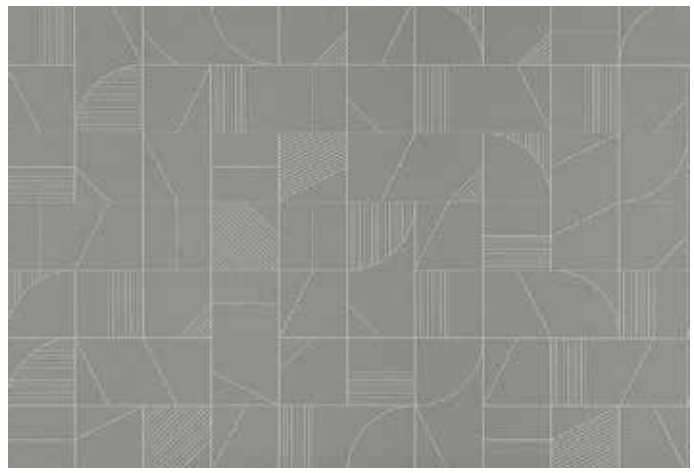

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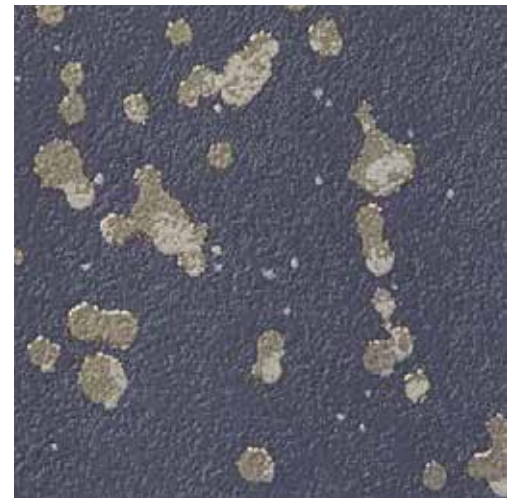

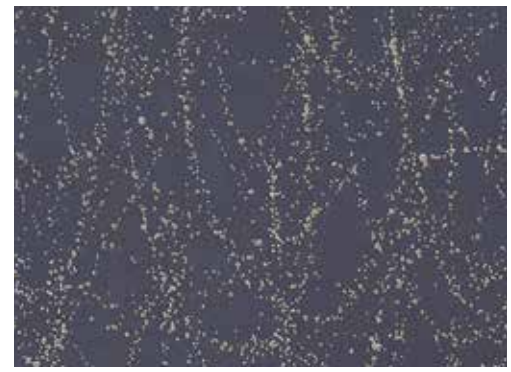

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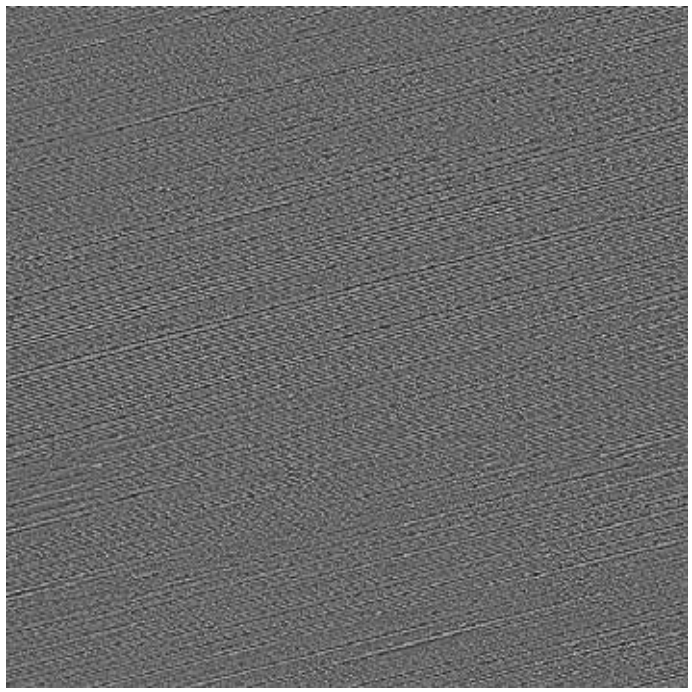

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