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www.hanex.com

# Hanex

By Hyundai L&C

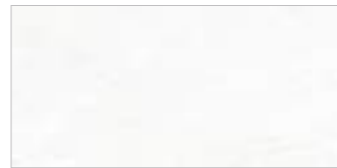
## DESIGN BOOK

Inspired by the Splendor  
of Nature



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## Cascade



CC-005 CASCADE WHITE



CC-001 CASCADE ICE



CC-002 CASCADE CREAM



CC-003 CASCADE GREY



CC-004 CASCADE BEIGE



CC-006 CASCADE BLACK

## Venato



VM-001 VENATO SPARKLE



VM-002 VENATO SNOW

## Stratum



ST-101 CLARA



ST-302 BIANCO CLASSICO



ST-303 VOLARE

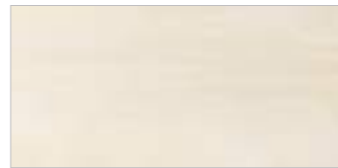


ST-201 ROMANO



ST-204 MARRON

## Bellissimo



BL-201 KASHMERE



BL-256 MOUNTAIN FROST



BL-206 SLATE GREY



BL-209 MACASSAR

## Large Particulate



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B-031 HELSINKI



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GAD-056 M-BLANC



GL-001 PEGASUS



GAD-051 ATHENA



GAD-050 OMEGA



GAM-004 SAND FLOWER



B-001 IVORY ESSENCE



GAD-007 JUNO



B-039 WILD FIRE



NA-06 MONTES



GL-006 CYGNUS



B-040 COPPER BLACK

## Small Particulate



P-004 SOLARIS



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C-004 CUBIC TRANSLANC



D-048 CRYSTAL MIRROR



D-001 SILVER STONE



D-024 SILVER WHITE



D-025 LIGHT SAND



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T-237 ICE CUBE



T-201 FETA CHEESE



T-204 SILK VIVIAN



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T-242 COFFEE BEAN



T-209 GROVIZU



P-002 METAL GREY



T-102 HIDDEN GLEN



D-047 LUT DESERT



D-102 SEASHORE



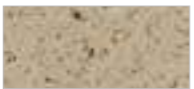
D-012 LIGHT BROWN



D-003 GOLD BROWN



D-007 MIST



T-243 BROWN COOKIE



T-235 THETIS



CT-001 FROSTY CONCRETE



CT-002 MODERN CONCRETE



T-239 STONE GREY



CT-003 SMOKY CONCRETE



T-042 H-GRAVEL



T-025 CHESTNUT



P-010 GLUTTONY



RE-06 CACAO UMBER



RE-05 YURI GREY



P-005 NIGHT GLEAM



D-028 BLACK BEAT

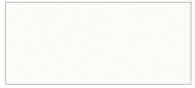
## Solid



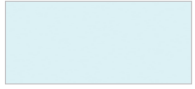
S-008 N-WHITE



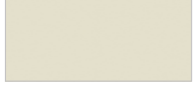
S-002 WHITE



S-001 R-WHITE



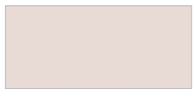
S-014 AQUEOUS



S-004 IVORY



S-006 GREY



S-025 CHERRY BLOSSOM



S-022 STEEL



M-014 GREY ASH



M-005 N-ORANGE



M-006 N-YELLOW



M-012 MARINE BLUE



S-019 BROWN FEVER



M-003 M-RED



M-007 M-BLACK

There may be some slight variation in colors between the printed and the sample.

Hanex Solid Surfaces is committed to delivering products made to perfection. For more information, please refer to the at [www.hanex.com](http://www.hanex.com)

# Benefits of Hanex<sup>®</sup>

Hanex Solid Surface is an acrylic solid surface material which is composed of Methyl Methacrylate (MMA) and Poly Methyl Methacrylate (PMMA) resin filled with Alumina-Trihydrate and other specialized formula to give it a timeless beauty and quality.



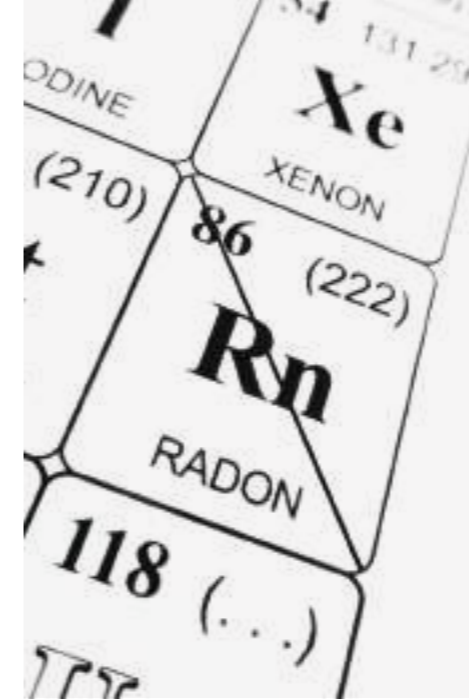
## Seamless Design

Sheets can be bonded together with inconspicuous seams. Smooth integration allows large areas without joints.



## Recyclable

Hanex is an eco-friendly material, as it is renewable and can be used again in its production process.



## No Radon Detected

Hanex is a safe product with no first-class carcinogen radon detected.



## Anti-Bacteria

Hanex is capable of withstanding the spread of other harmful germs and bacteria.



## Translucent

Various thickness of Hanex exhibit a special translucency when exposed to light.



## Thermoform

Sheets can be thermoformed to create curves of shapes of any designs.

# Movement Collection

Hanex is an acrylic solid surface material that is resistant to stains and chemicals and can be molded in a variety of designs with unique combinations of acrylic resin and natural materials. It pursues flexible and scalable designs that can be applied to various spaces such as kitchens, hotels, healthcare, and transportation, and increases the completeness of the space.



Inspired by  
the Splendor of Nature

Movement Collection  
Cascade



## Cascade New

Inspired by the natural beauty of cascading waterfalls. Cascade collection features feathery veining with subtle color variation that perfectly resemble the effortless flow of water. Its low color contrast trait allows Hanex to be matched with any interior space.



## Venato New

Venato is a series of Hanex into the design and manufacture of solid surfaces which are not merely imitation of the real marble. After having reinterpreted the texture and vein of calacatta, Hanex now offers a new way of considering the preciousness of a marble.



## Stratum

Stratum series is inspired by nature in a worldly perspective and is full filled with a soft range of colors and unique, organic patterns. You discover the artistic, unconventional scene of the nature. Enjoy the new view of the earth. Create your own, unique and long-lasting atmosphere in the style of the depth and boundlessness of stone.



## Bellissimo

Discover the greatness and glory of Bellissimo collection which is inspired by the beauty of the night sky and twilight. The vein expresses the colorful beauty of the sky, and the chip decorates the starlight of the night sky.

Inspired by  
the Splendor of Nature

# Cascade New

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Inspired by the natural beauty of cascading waterfalls. Cascade collection features delicate veining and subtle variation that perfectly resemble the effortless flow of water. Its low color contrast trait allows Hanex to be matched with any interior space.

Movement Collection  
Cascade



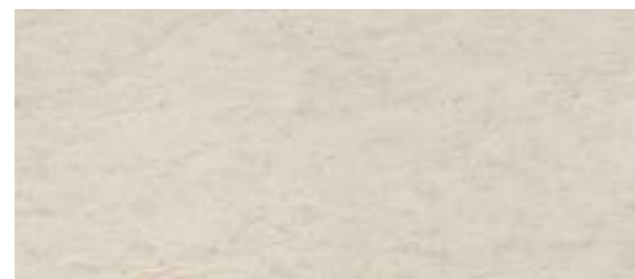
CC-001 | CASCADE ICE NEW



CC-002 | CASCADE CREAM NEW



CC-003 | CASCADE GREY NEW



CC-004 | CASCADE BEIGE NEW



CC-005 | CASCADE WHITE NEW



CC-006 | CASCADE BLACK NEW

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Full Sheet

CC-001 | CASCADE ICE 12mm X 760mm(W) X 3,680mm(L) / 59.4kg

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Movement Collection  
Cascade



Detail View

Movement Collection 01 - Cascade Ice

CC-001 | CASCADE ICE



Full Sheet

Movement Collection  
Cascade



Detail View

Movement Collection 01 - Cascade Cream

14



Full Sheet

CC-003 | CASCADE GREY 12mm X 760mm(W) X 3,680mm(L) / 59.4kg

Movement Collection  
Cascade

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Movement Collection 01 - Cascade Grey

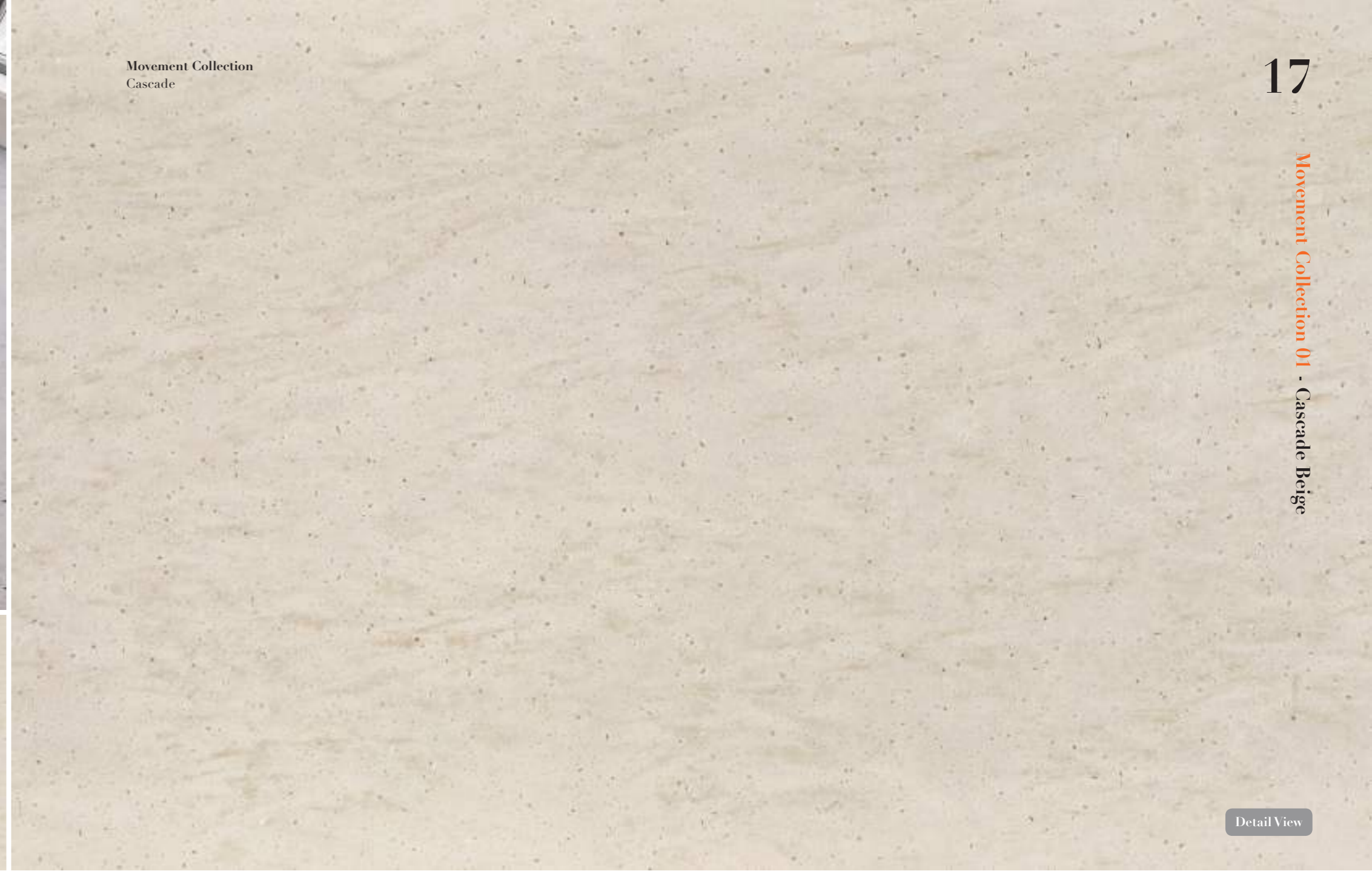
Detail View

CC-003 | CASCADE GREY





Full Sheet



Detail View



Full Sheet

Movement Collection  
Cascade



Movement Collection 01 - Cascade White

Detail View



Full Sheet



Detail View

Inspired by  
the Splendor of Nature

# Venato New

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Venato is a series of Hanex into the design and manufacture of solid surfaces which are not merely imitations of the real marble. After having reinterpreted the texture and vein of calacatta, Hanex now offers a new way of considering the preciousness of a noble Italian marble.

Movement Collection  
Venato



VM-001 | VENATO SPARKLE NEW



VM-002 | VENATO SNOW NEW



Full Sheet

Movement Collection  
Venato



Movement Collection 02 - Venato Sparkle

Detail View



Full Sheet

Movement Collection  
Venato



Movement Collection 02 - Venato Snow

Detail View

Inspired by  
the Splendor of Nature

# Stratum

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This set of premium solid surfaces is inspired by the wispy movement and strata patterns within rocks and stones. The collection's timeless colors and styles offer incredible vibrancy, beauty and versatility-each can be effortlessly shaped into almost any form or structure by molding, machining or other appropriate processing.

This means they're undeniably ideal for countertops, shower walls and commercial interiors. Beyond that, Stratum can be used for interior accessories like clocks, frames, or chairs, and many others.

STRATUM

Movement Collection  
Stratum



ST-101 | CLARA



ST-201 | ROMANO



ST-204 | MARRON



ST-302 | BIANCO CLASSICO



ST-303 | VOLARE



Full Sheet



Detail View





Full Sheet



Detail View



Full Sheet

Movement Collection  
Stratum



Movement Collection 03 - Marron

Detail View



Full Sheet

Movement Collection  
Stratum



Detail View

Movement Collection 03 - Bianco Classico



Full Sheet



Detail View



Inspired by  
the Splendor of Nature

# Bellissimo

---

The colors within our Bellissimo Collection fuse versatility with beauty. Each of the colors are engineered to help you create an environment that impacts everyday lives.

Discover the greatness and glory of Bellissimo collection which is inspired by the beauty of the night sky and twilight.

The vein expresses the colorful beauty of the sky, and the chip decorates the starlight of the night sky.

Movement Collection  
Bellissimo



BL-206 | SLATE GREY



BL-201 | KASHMERE



BL-209 | MACASSAR



BL-256 | MOUNTAIN FROST



Full Sheet



Detail View



Full Sheet



Detail View



Full Sheet



Detail View





Full Sheet



Detail View

# Large Particulate

Hanex's premium solid surface,  
Large Particulate colors resemble distinguished  
and premium look of nature.  
The unique atypical chips and tone-on-tone  
colors create the natural and wild look.



**B-001** IVORY ESSENCE



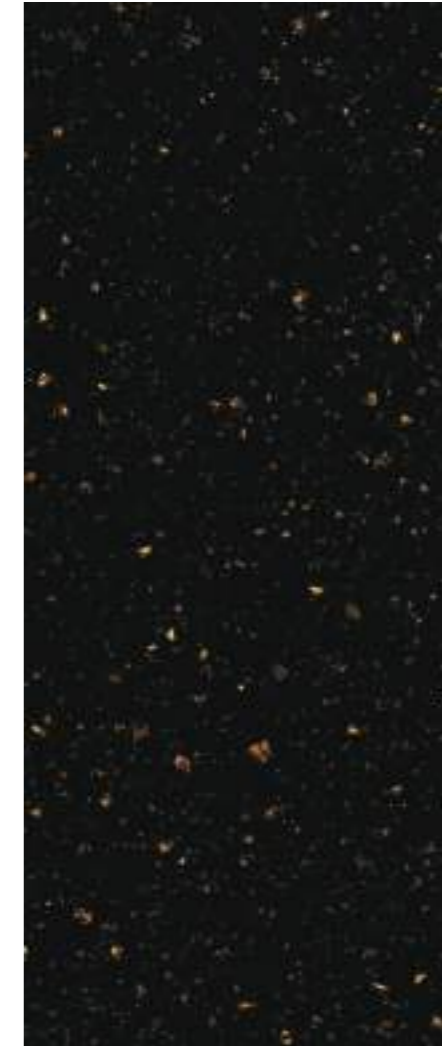
**B-012** OSLO WHITE



**B-031** HELSINKI



**B-039** WILD FIRE

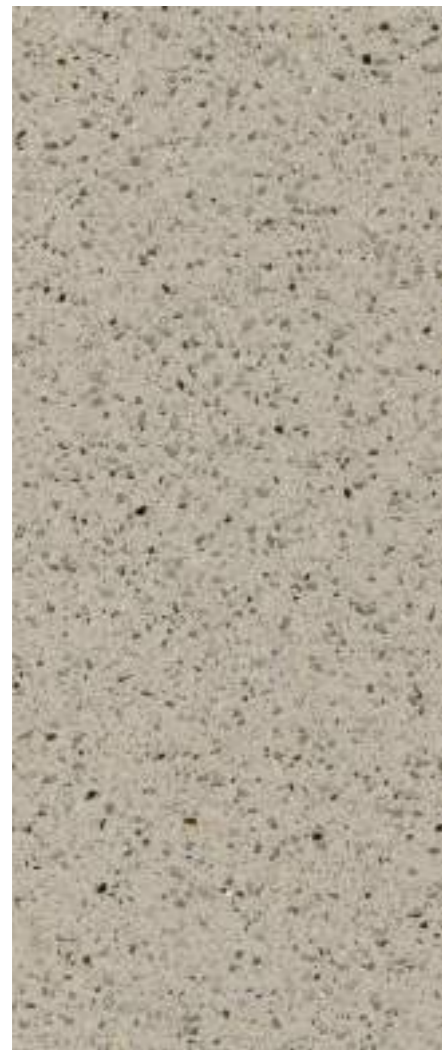


**B-040** COPPER BLACK



**GAD-051** ATHENA

Large Particulate



GAD-007 JUNO



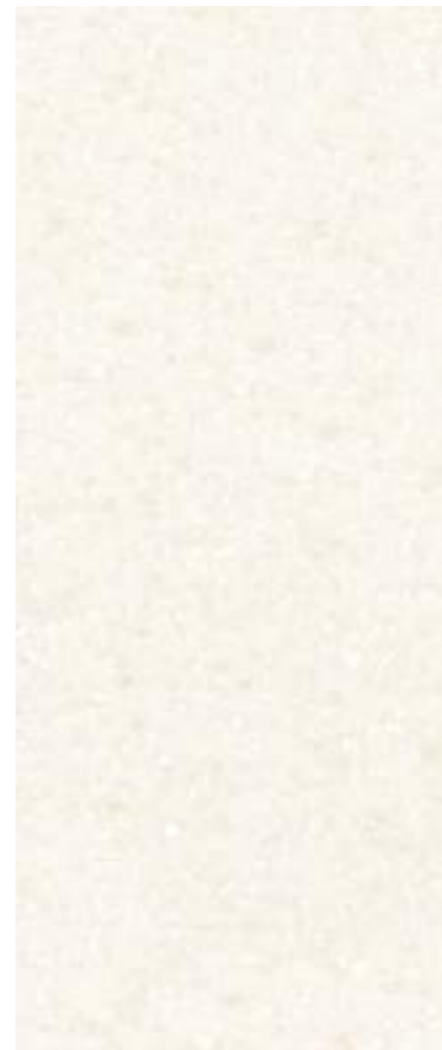
GAD-050 OMEGA



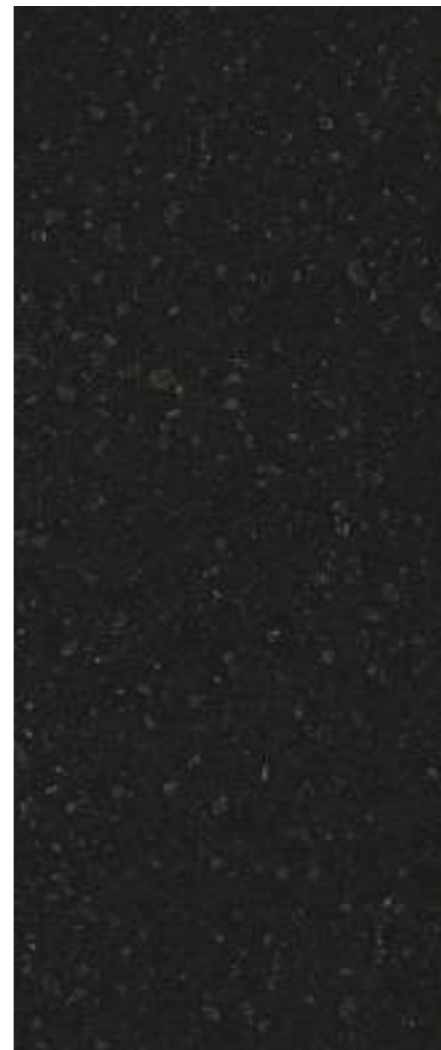
GAD-056 M-BLANC



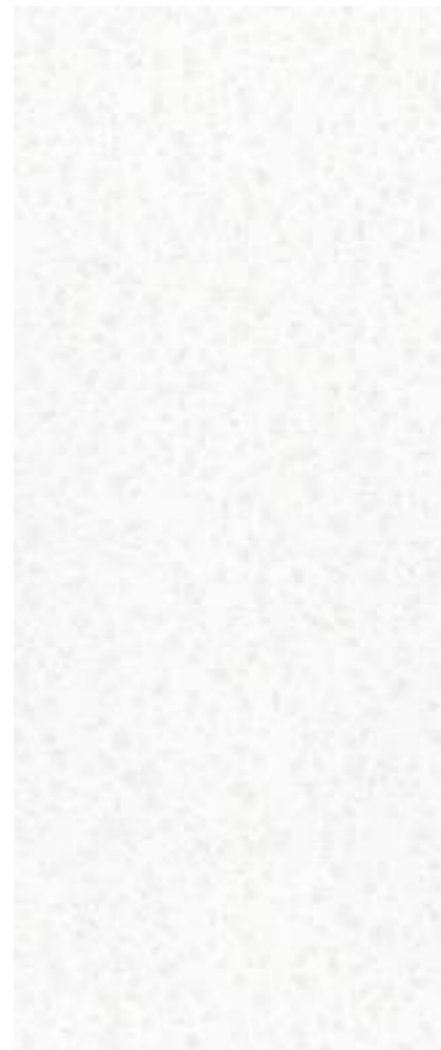
GAM-004 SAND FLOWER



GL-001 PEGASUS



GL-006 CYGNUS



NA-01 BLANDO



NA-06 MONTES

Large Particulate

# Reference

Reference is where Hanex's various collections are applied, architectural and interior designers around the world. We use Hanex to create diverse cultures.

- 1 Corporate / TCL Corp(Shenzhen, China)  
S-008 N-White
- 2 Corporate / Terminus(Shenzhen, China)  
S-008 N-White
- 3 Corporate / Aekyung Corp(Seoul, Korea)  
ST-103 Nublado
- 4 Corporate / Theta Offices(Bucharest, Romania)  
S-008 N-White





1



2



3



4



5

- Residential / Hyundai L&C Show room(Seoul, Korea)  
BL-206 Slate Grey 1
- Residential / Private Residence(California, US)  
BL-256 Mountain Frost 2
- Residential / Livart Show room(Yongin, Korea)  
T-228 Minerva RE-05 Yuri Grey 3
- Residential / Aekyung Corp(Seoul, Korea)  
GAD-051 Athena 4
- Residential / Theta Offices(Bucharest, Romania)  
T-240 Dark Night 5



1



2



3



4

- Restaurant / The Courthouse Bar(Douglas, Isle of Man) 1  
S-008 N-White
- Residential / Cafe Arinco(Seoul, Korea) 2  
BL-201 Kashmere
- Show room / Team 7(Taipei, Thailand) 3  
S-008 N-White
- Retail / Coex Mall (Seoul, Korea) 4  
S-008 N-White



- Moka Play / Space 1(Namyangju, Korea)  
M-012 Marine blue 1
- 2
- Moka Library / Space 1(Namyangju, Korea)  
M-020 Sunkist 3
- 4
- Moka Garden / Space 1(Namyangju, Korea)  
S-008 N-white 5
- Information Desk / Space 1(Namyangju, Korea)  
M-007 M-black 6

# Safety Data Sheet

Hanex has various colors and patterns, and is made of the same materials both inside and outside.

It can compensate the disadvantages of laminate and coating. It can also be processed in limitless forms in which is not possible with laminate and natural stone.



## Fire-Fighting Measures & Explosion

- **Flammable Properties**

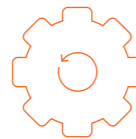
"HANEX" can be combusted only with difficulty. Hazardous gases/vapor produced in fire are carbon monoxide, methyl methacrylate, aldehydes.

- **Extinguishing Media**

Water, Dry chemical, CO2

- **Fire Fighting Instructions**

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.



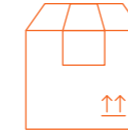
## Accidental Release Measures

- **Safeguard (Personnel)**

NOTE : Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE during clean up.

- **Spill Clean Up**

Recover undamaged and minimally contaminated material for reuse and reclamation.



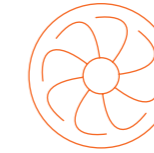
## Handling And Storage

- **Handling**

Avoid breathing fumes generated during sawing, routing or drilling. Avoid dust generation.

- **Storage**

Store in a cool place.



## Exposure Controls & Personal Protection

- **Engineering Controls (Ventilation)**

Use ventilation that is adequate to keep employee exposure to air borne concentration below exposure limits.

- **Personal Protection**

Protective equipment: EYE/FACE PROTECTION  
Wear safety glasses during operations such as sawing, sanding, drilling or routing.



## Disposal Consideration

Dispose in accordance with federal, state and local regulation. The owner of the material is responsible for proper waste disposal.



## Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : "HANEX" products



### Certification

Hanex is highly regarded in the environment-friendly materials market with various environmental related certifications such as NSF, Greenguard, and SCS.



### Composition And Information On Ingredients

Component	CAS	%
Polymethylmethacrylate	8011-14-7	>30
Alumina Trihydrate	21645-51-2	<70
Methylmethacrylate (Degradation Product)	80-62-6	<1

Heated above 300 dCe,g "HANEX" can release.





## Technical Specification

\* Request for available color for exterior cladding

Specificaiton	Result	Test Method
Specific Gravity	1.7	ASTM D792-08
Rockwell Hardness	90	ASTM D785-08
Tensile Strength	43.8 Mpa	ASTM D638-10
Tensile Modulus of Elasticity	12.6 Gpa	ASTM D638-10
Flexural Strength	58.8 Mpa	ASTM D790-10
Flexural Modulus of Elasticity	10.6 GPa	ASTM D790-10
Izod Impact Strength	16 J/m	ASTM D256-10
Water Absorption	0.036 % (24h Immersion)	ASTM D570-98
Desnsity	1.7 g/cm2	ASTM D792-08
Heat Resistance Test	No Defects	JIS K 6902 : 2008
Hot Water Resistance Test	No Defects	JIS K 6902 : 2008
Deflection Temperature Under (1.82MPa)	115 oC	ASTM D648-07
Thermal Expansion	3.93 x 10-5 1/oC	JIS K 6911 : 2006
Compressive Strength	118 Mpa	ISO 604 : 2002
Light Resistance	No Effect	NEMA LD3 3.03
Boiling Water	No Effect	NEMA LD3 3.05
Ball Impact Resistance	No Fracture on 3 Impacts	NEMA LD3 3.08
Resistance to Impact by Large Diameter Ball	Max Impact Height : 2m	ISO 4586-2
Point Impact Resistance	No Cracks or Chips	ANSI Z124.3 4.3
Stain Resistance Test	Pass	ANSI Z124.3 5.2
Wear and Cleanability Test	Pass	ANSI Z124.3 5.3
Cigarette Test	Pass	ANSI Z124.3 5.4
European Railway Standard for Fire Safety	R1, HL3	EN 45545
Resistance to Bacteria	No Growth	ASTM G22
Resistance to Fungi	No Growth	ASTM G21
European Classification Standard	B-s1, d0	EN 13501-1
Façade Panel	ETA (European Technical Assessment)	DIBT
Weatherability (1,000 Hr) - Special Color Only	No Visual Change	ASTM G155

# Global Network

Hanex is ready to meet you anytime from all over the world.

-  **Central Office**
-  **Plant**
-  **Showroom**
-  **Distributor**



## Global Network

### Central Office

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Tel: +86 21 3252 2291 / E-mail: sz.wang@hyundaish.com / Web: hyundailnc.cn

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Tel: +82 44 279 8000

#### C-TECH, SEJONG PLANT

79-20, Geumhoangol-gil, Bugang-myeon, Sejong-si, Korea (30077)

Tel: +82 44 279 8000

#### AMERICAN SURFACING MATERIALS

2101 Baker Blvd, Temple, TX, USA (76501)

Tel: +1 254 935 2601

#### HYUNDAI L&C CANADA

Address: 2860 Innovation Drive, London, Ontario, Canada (N6M 0C5)

Tel: +1 519 951 3154 / E-mail: info@hanstone.ca / Web: hanstone.ca

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#### VAUGHAN SHOWROOM

150 Caldari Road, Vaughan, Ontario (L4K 4L1)

Tel: +1 905 660 3770

#### GALLERY Q

714, Nonhyeon-ro, Gangnam-gu, Seoul, Korea (06051)

Tel: +82 2 508 4485

#### WEST COAST

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Tel: +1 413 240 4400