www.hanex.com.au

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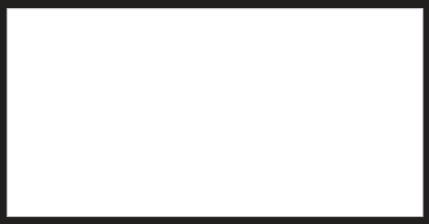
Hanex®
Solid Surfaces

DESIGN BOOK

Inspired by the Splendor
of Nature

HYUNDAI
L&C

Index

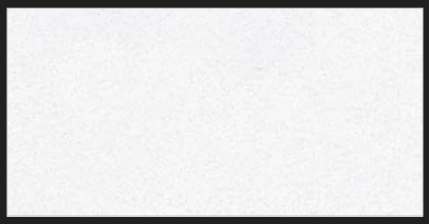


S-008 N-WHITE

CC-001 CASCADE ICE

D-048 CRYSTAL MIRROR

CC-002 CASCADE CREAM



B-031 HELSINKI

CC-003 CASCADE GREY

B-012 OSLO WHITE

CC-006 CASCADE BLACK

ST-101 STRATUM CLARA

VM-002 VENATO SNOW

VM-003 VENATO BLANC

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 www.hanex.co.nz or www.hanex.com.au

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Hanex® 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, increasing the completeness of the space.

Benefits of Hanex®

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 joins.

Non-Porous

Unlike Natural stones such as granite and marble which are porous and require sealing, Hanex is naturally non-porous meaning it can block liquids and air without ever requiring a sealant.

Recyclable

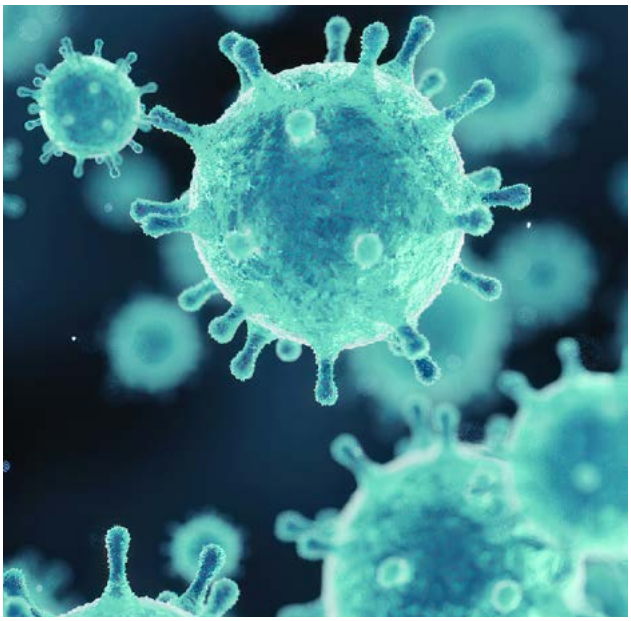
Hanex is an eco-friendly material, as it is renewable and can be used again in its production process.

Zero Silica

Hanex contains zero silica, therefore no risk of silica exposure.
A safe product with no first-class carcinogen radon detected.

Translucent

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



Anti-Bacterial

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

Thermoform

Sheets can be thermoformed to create curves and shapes of any design.

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STRATUM CLARA ST-101

Stratum Clara's simple, icy cool colour and pattern inspired by nature perfectly pairs with brighter accents in any setting or room. Because it's non-porous and stain resistant, this grey-white shade can hold up to even the most bustling kitchen or workspace.

Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

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VENATO BLANC VM-003

With a pure white tone base and elegant silver pearl vein, elevate any design project.

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Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

09

VENATO SNOW VM-002

With chips and grey veining, bring together solid surface and the vein of Calcutta marble, this is a truly unique finish.

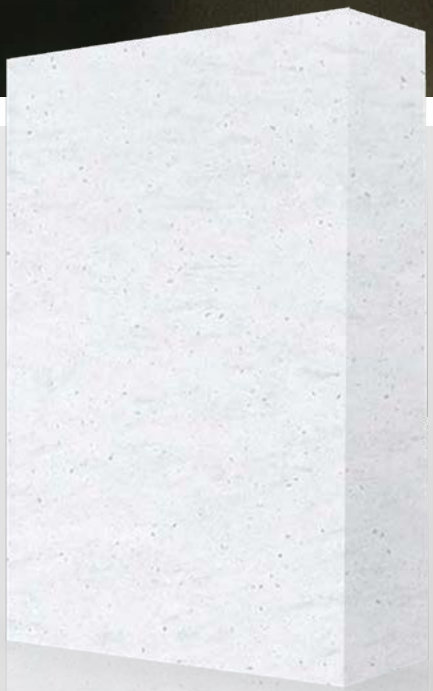
Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

CASCADE ICE CC-001

Inspired by the Icelandic waterfalls, Cascade Ice features a delicate vein and a subtle variation in colour which resembles the effortless flow of water. A subtle sparkle mimics the shine of splashing water in the light.



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Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

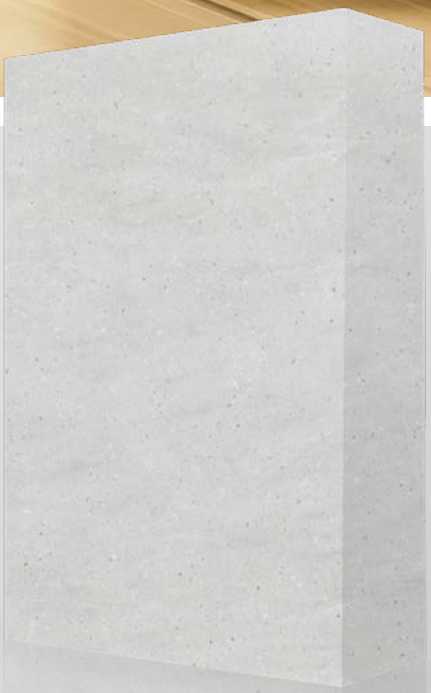
CASCADE CREAM CC-002

Inspired by cascading water, Cascade Cream features a delicate vein and a subtle variation in colour with white and ivory patterns. A subtle sparkle mimics the shine of splashing water in the light.

Detail View

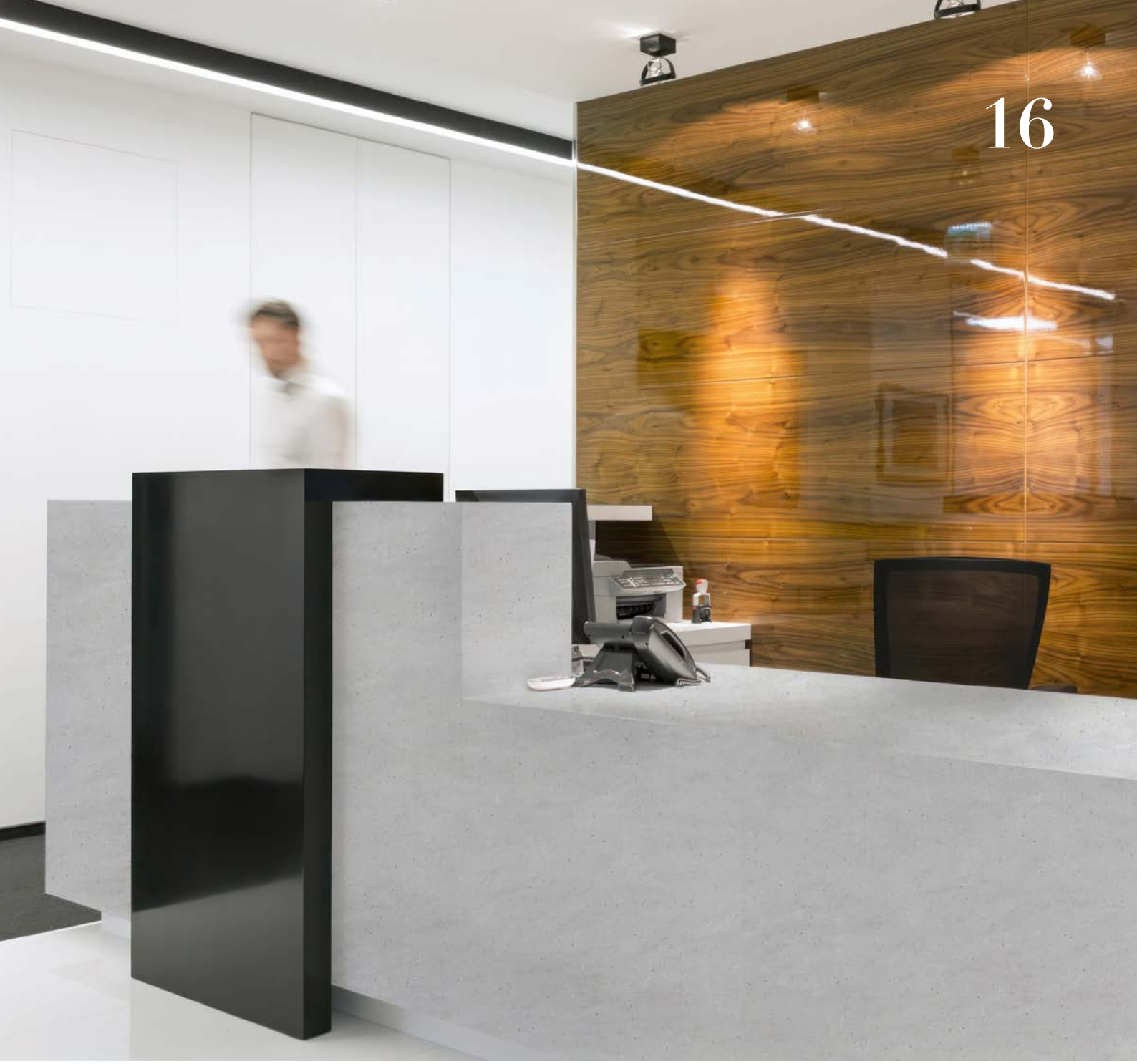
12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet



CASCADE GREY CC-003

Resembling a stream of water within the dense fog at dawn, adds a modern edge to your design space.



Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

CASCADE BLACK CC-006

Chic and luxurious design with Cascade Black, inspired by a milky way across the starry night sky.

Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

CRYSTAL MIRROR D-048

Small particulate colours provide soft, natural designs

Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

HELSINKI B-031

Silvery white is the essence of Helsinki. Detailed with small flakes of grey beige and sealed with a luminous sheen, this surface will illuminate any space.

Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

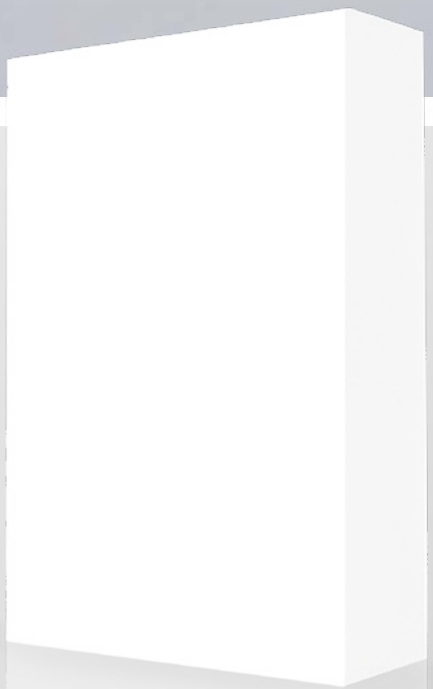
OSLO WHITE B-012

A luminous pearly white is structured with grey and taupe tones to bring a depth to this brilliant surface. Oslo White will display brightly in both kitchens and office spaces.

Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet



N WHITE S-008

A plain solid bright white surface.

Detail View

12mm X 760mm(W) X 3680mm(L) / 59.4kg

Full Sheet

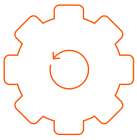
Safety Data Sheet

Hanex has various colors and patterns and is made of the same materials throughout all layers.

Hanex can be processed in limitless forms which are not possible with laminate and natural stone.

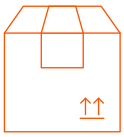
Fire-Fighting Measures & Explosion

- **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.



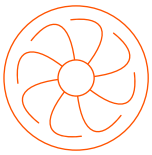
Accidental Release Measures

- **Safeguard (Personnel)**
  NOTE : Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up.
  Use appropriate PERSONAL PROTECTIVE GEAR 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 airborne 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**
Methylmethcrylate (Degradation Product)	**80-62-6**	**<1**

Heated above 300 dCe,g “HANEX” can release.

Technical Specification

Specification	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

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