

PRODUCT SAMPLES



Printed representation of colours may vary from actual samples. *Available in 6mm also.



PROPERTIES	UNIT	RESULT	TEST STANDARD
Specific Gravity	g/cm ³	1.8	
Tensile Strength	Psi	5,400	ASTM D 638
Tensile Modulus	Psi	1.4 x 10 ⁶	ASTM D 638
Elongation	% min	0.42	ASTM D 638
Flexural Strength	Psi	9,200	ASTM D 790
Flexural Modulus	Psi	1.38 x 10 ⁷	ASTM D 790
Hardness (Rockwell)		92	ASTM D 785
Thermal Expansion	Mm/mc	3.04 x 10 ⁻³	ASTM D 696
Gloss (60° Gardner)		5 ~ 20	ANSI Z 124
Colour Stability		No Change	NEMA LD 3
Wear & Cleanability		Passes	ANSI Z 124
Boiling Water Surface Resistance		No Change	NEMA LD 3
High Temperature Resistance		No Change	NEMA LD 3
Stain Resistance		Passes	NEMA LD 3
Impact Resistance		No Fracture	NEMA LD 3
IZOD Impact Strength	Ft. lbs/in	0.28	ASTM D 256
Water Absorption Weight	% max	0.03	ASTM D 570
Fungi & Bacteria		No Attack	ANSI Z 124
Weatherability		No Change	ASTM D 1499
NSF 51	Listed	All Colours	NSF

This technical information is designed to provide support in fabrication, installation, and/or to ensure performance of Hanex® 100% Acrylic Solid Surface. The information is based on the technical data which Hanwha Surfaces believe to be reliable and is intended for person or persons having knowledge of this technical area. None of the contents, including but not limited to the instructions, recommendations, graphics, techniques, and guidelines should be understood as implying of legal, warranty, or any type of liability by Hanwha Surfaces and its affiliates.

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Limitless choices. Superior durability.
FREEDOM TO EXPRESS.



MERINO - HANEX SOLID SURFACES



LIMITLESS POSSIBILITIES FOR YOUR DESIGNS

Now see your wildest designs come to life with Merino - Hanex Solid Surfaces. Crafted with a unique blend of acrylic resins and natural materials, Merino - Hanex Solid Surfaces are available in sheets that can be cut, shaped and formed into a boundless range of designs. Unlike other surfacing materials, it can be repaired and restored to its original condition when desired. These solid surfaces can be fabricated and installed in both residential and commercial applications with inconspicuous seams giving your interiors unmatched durability and design flexibility.

WHAT ARE MERINO - HANEX SOLID SURFACES MADE OF?

Merino - Hanex Solid Surfaces are 100% Acrylic Solid Surfaces made with a composition of Methyl Methacrylate (MMA) and Polymethyl Methacrylate (PMMA) resin filled with Alumina-Trihydrate and other specialised formula to give it timeless beauty and quality. We are one of the only two companies to have successfully developed the DBCU (Double Belt Casting Unit) process to produce superior products. These sheets can be fabricated and used in almost any application.

BASIC COMPOSITION

MATERIAL NAME	COMPONENT
MMA (Methyl Methacrylate)	Resin
PMMA (Polymethyl Methacrylate)	Resin
AL (OH) 3 - Alumina Trihydrate	Filler
Cross Linking Agents, Stabilizers, Curing Agents, Pigments, etc.	Additives

SHEET SIZE

THICKNESS (Inch)	WIDTH (Inch)	LENGTH (Inch)
1/2"	30"	144"
1/4"	30"	98"

DIMENSIONS

HEADINGS	STANDARDS
Length	144" ± 0.22"
Width	30" ± 0.25"
Thickness	0.5" ± 0.001"



WHY MERINO - HANEX SOLID SURFACES ?

Easy to fabricate: These solid surfaces can be fabricated into any shape and can be joined without visible seaming line.

Durability: Excellent in both colour and durability, these solid surfaces are the best choice as finishing materials for interiors. It is stronger than natural stone and will maintain its shape and beauty in any condition.

Stability: These solid surfaces are thermal stable. These surfaces are heat resistant, hot water resistant, chemical resistant, stain resistant, UV stable and can stand all weather changes on interior applications.

Easy to maintain and repair: These solid surfaces are water resistant, which makes them easy to maintain and a perfect fit for damp areas such as bathrooms and kitchens.

Refined design and unlimited possibilities of application: These solid surfaces offer style that is comparable to natural stone or marble and can be used in any indoor application. With a wide range of colours and patterns, it provides elegance and aesthetic interiors.



RIGOROUS CHEMICAL AND STAIN PERFORMANCE TESTS

Merino - Hanex Solid Surfaces have undergone vigorous chemical and stain resistance testing as per ASTM-D & NEMA standards. NSF51 certified, these solid surfaces are perfect for food preparation areas and can be used in many applications where sanitation is of utmost importance, such as kitchen countertops, hospitals, playrooms, schools and many more. These solid surfaces can be fabricated and installed in almost any application without conspicuous seams, making Merino - Hanex Solid Surfaces truly 'Solid' in surfacing materials.

CARE & MAINTENANCE

Everyday cleaning: Wipe clean with a damp cloth or sponge. For basic stains, clean with mild detergents or general all purpose cleaners. Periodically go over surface with a mild abrasive cleanser to maintain a uniform appearance.

Heat damage: To prevent any damage from heat, never place hot items directly on the surface. Always use trivets with rubber feet when placing hot items on the Solid Surface.

Chemical damage: Avoid contact with strong chemicals that can cause damage to the surface such as oven cleaners, acetone, paint removers and other strong chemicals. If exposed, promptly rinse with water. Remember, prolonged contact with harsh chemicals can cause serious damage to the Solid Surface.

Simple steps to avoid damage: Avoid cutting directly on the Solid Surface. Always use a cutting board. Never place hot pans directly on the Solid Surface.

Removing persistent stains: To remove persistent stains or scratches, scrub the stained area with a mild abrasive cleanser. Deep scratches and/or other damages may require professional repair.

Hanex Joint Adhesive is recommended only for use on Merino - Hanex Solid Surfaces.

10 YEARS LIMITED WARRANTY*

Merino - Hanex Solid Surfaces come with a 10-year limited warranty. These should only be fabricated and installed by certified fabricators, so you have the assurance of quality product, expert installation and the backing of our customer service support.

*Terms and conditions apply.

