

Unex[®] Surfaces



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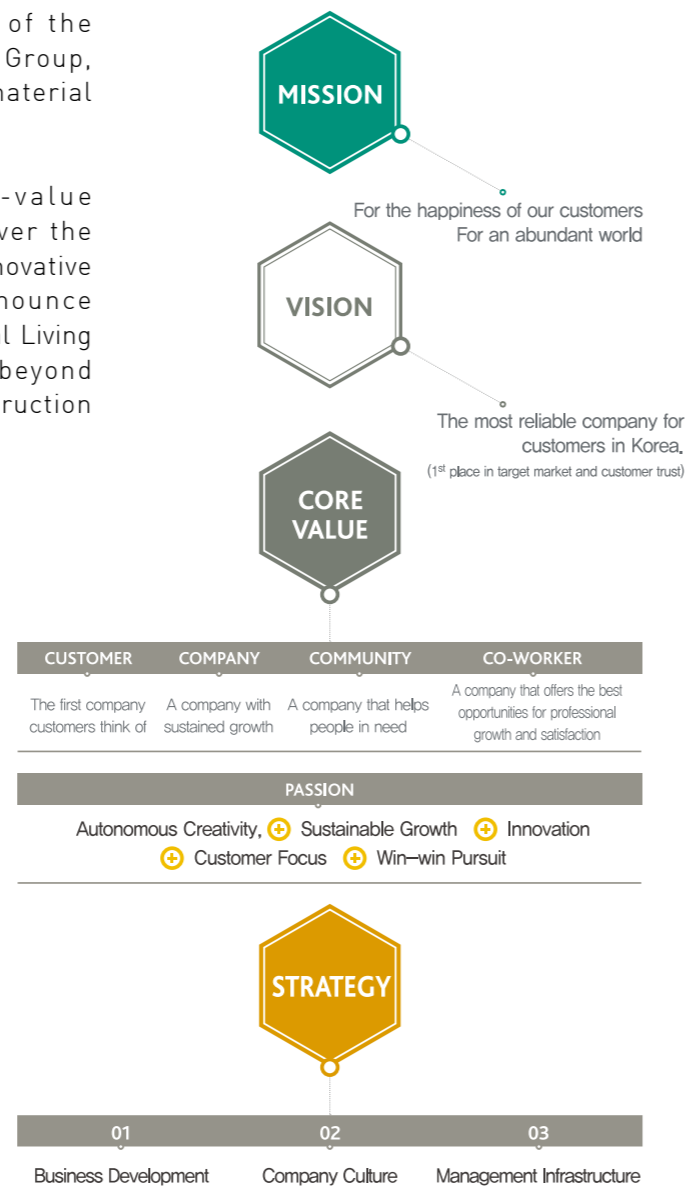
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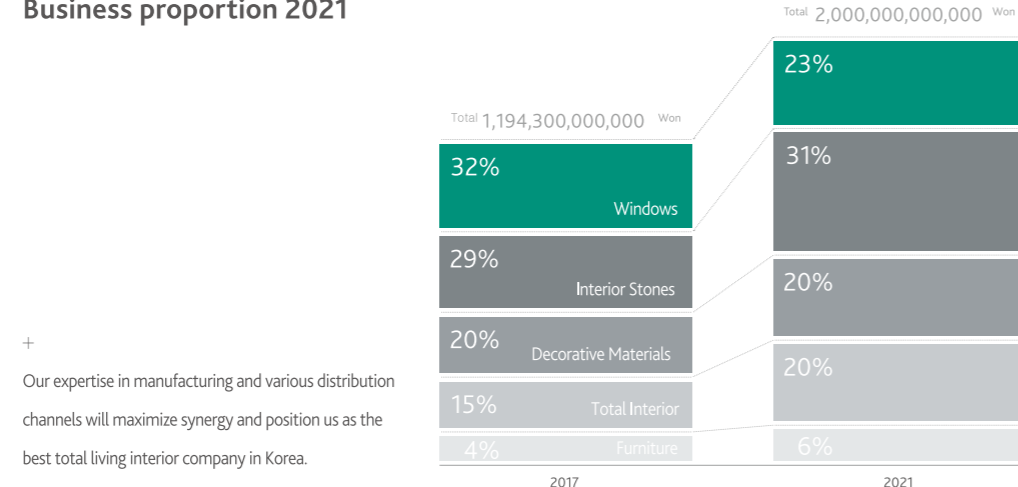
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Hyundai L&C, a member of the Hyundai Department Store Group, is a leading construction material company in Korea.

Based on original, high-value technology accumulated over the last half-century, and an innovative business platform, we announce our new beginning as a "Total Living Interior Company," going beyond the boundaries of our construction material expertise.



Business proportion 2021



Unex[®] Surfaces has excellent stability and water repellent properties, which are not affected by the surrounding environment, and it maintains its original shape for a long time. It is an ideal material for counters in commercial buildings or for kitchen counters in residential buildings.

Unex[®] Key Features

Durability

Unex[®] Surfaces is a non-porous material that has the equal properties inside and outside. Any damages or scratches can be easily recovered as new. The excellent waterproof properties prevent water penetration and make it hygienic all the time.

Easy Handling

Unex[®] Surfaces is easy to handle in the installation and maintenance process. It only requires the minimum resources to process the material. It can be easily recovered from the damage with a simple process.

Design Diversity

Unex[®] Surfaces has a wide range in colors and patterns that can meet the broad tastes in the market. We have a wide range of knowledge and technology in developing market-leading designs from 25 years of experience in interior stone business.

Infinite Design

Unex[®] Surfaces features a seamless design when multiple sheets are attached. Joint line is invisible and hygienic that designer can apply infinite designs for use in hospitals and laboratories.



U-40 Alpha White



UL-07 Sparkling



U-02 Arctic Ice



U-53 Dust



U-03 Snow Track



U-43 Vanilla



U-57 Crystal



UT-02 Clam



UT-04 Beauty Salon



U-58 Cream Sand



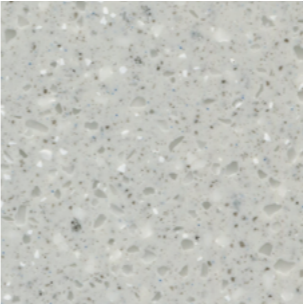
U-63 Desert Fox




U-59 Sand Stone



U-46 Shadow



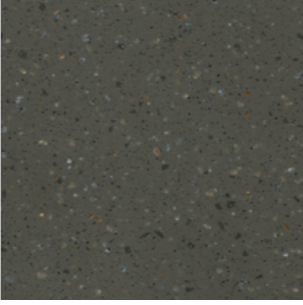
U-56 Grey Quartz



U-41 Fog Grey



U-44 Cocoa Powder



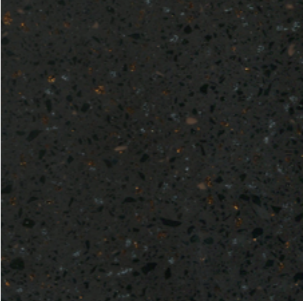
U-52 Muddy




U-11 Mocha Coffee



U-45 Brownie



UT-01 Helios




U-48 Design Red



U-49 Design Orange



U-50 Design Yellow



U-47 Greenland



U-42 Space Black



Test Results

Imitation Marble				
TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Sepcific Gravity[(23/23)°C]	-	-	1.78	ASTM D792-13(Method A)
Tensile Strength	MPa	-	25.3	ASTM D638-14(**)
Tensile Modulus of Elasticity	GPa	-	7.48	ASTM D638-14(**)
Flexural Strength	MPa	-	49.7	ASTM D790-15e2(***)
Flexural Modulus of Elasticity	GPa	-	9.74	ASTM D790-15e2(***)
Water Absorption [24 h Immersion]	%	-	0.03	ASTM D570-98(2010)e1
Appearance[Discoloration, Crack] after Heat Resistance	-	-	No Defects	JIS K 6902 : 2008
Appearance[Discoloration, Crack] after Heat Water Resistance	-	-	No Defects	JIS K 6902 : 2008
Deflection Temperature Under Load(1.82 MPa)	°C	-	62	ASTM D648-16(Method B)
Accelerated Weathering Test(*) - Discoloration	-	-	No Defects	KS M ISO-2 : 2012, Method by Client
Density(23°C)	g/cm³	-	1.78	ASTM D792-13(Method A)
Rockwell Hardness(HRM)	-	-	86	ASTM D785-08(2015) (Procedure A)
Izod Impact Strength	J/m	-	19	ASTM D256-10e1 (Method A)

* Accelerated Weatherign Test Condition

Light Source : 6500W Xenon Arc, Irradiance : 0.51 W/m²
B.P.T. : 63 °C ± 3 °C, Humidity : 50 % ± 5 % RH,
Inner/Outer Filter : Borosilicate/Borosilicate, Spray Cycle : 18 min / 120 min, Exposure Time : 4 h
** Specimen : Type I, Speed of Testing : 5 mm/min
*** Speed of Testing : 5.0 mm/min, Support Span : 190 mm
- Usage of Report : IN HOUSE CONTROL

NOTE : 1. The test results of this report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client.
2. This test report shall be used only within the purpose of its defined usage and shall not be used for public relation, advertisement and lawsuit.
3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. the copy and the electronic file of the test report are only for reference.

