



**ISO
9002**
QUALITY SYSTEM

Hanwha Halo

Hanwha Halo Collections Creative Environmental Solutions

Hanwha Halo

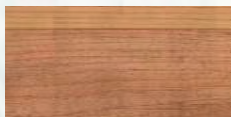
Hanwha Halo Collections Creative Environmental Solutions



5606



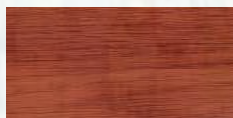
5601



5602



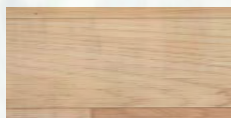
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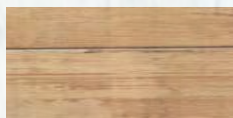
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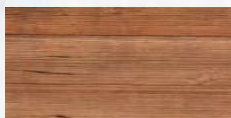
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1230



1110



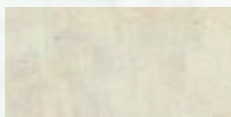
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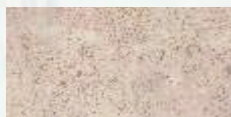
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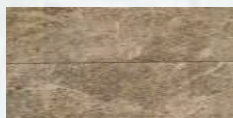
3210



5702



5703



5704



8206



8230



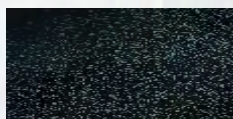
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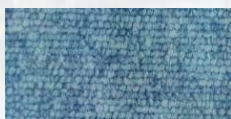
9909



9912



9915



8282



8288

*There will be a shade difference between the color of the image and the color of the real product.



Hanwha Halo

- Thickness : 15mm(T)
- Width : 1,630mm(W)
- Packing : 30m² / Box

5606



Haniwha Halo

Handmade in New Zealand

- Thickness: 1.5mm
- Width: 1.83m
- Weight: 2.1kg

5601



 Hanwha Halo

• Thickness : 1.5mm(T)
• Width : 1,000mm(W)
• Packing : 30m(L) / Roll

5602



Hanwha Halo

- Thickness : 10mm (1/2")
- Width : 1,830mm (6'0")
- Package : 20ml / Box

5605



 Hanwha **Halo**

- Thickness : 1.2mm(T)
- Width : 1.620mm(W)
- Packing : 20mL / Roll

5610



Hanwha Halo

- Thickness: 1.5mm(T)
- Width: 1.630mm(W)
- Packing: 30m² / Roll

5611



Hanwha Halo

- Thickness : 1.5mm(T)
- Width : 1.882mm(W)
- Packing : 32m²/Bul

1230



Hanwha Halo

- Thickness : 8.5mm(T)
- Width : 132mm(W)
- Packing : 30m(L) / Roll

1110



 Hanwha **Halo**

www.hanwhahalo.com

- Thickness : 1,2mm(T)
- Width : 1,83mm(W)
- Pecking : 30m/Lit Not

1150



Haruwa **Halo**

- Thickness: 1.0mm (f)
- Width: 1,890mm (w)
- Packing: 30 m (l) / Roll

1140



Hanwha **Halo**

- Thickness : 15mm(T)
- Width : 1,830mm(W)
- Packing : 30mrl / Pallet

3210



Hanwha Halo

<http://www.hanwhahalo.com>

- Thickness: 1.0mm(D)
- Width: 1.630mm(W)
- Facing: 20 g/L / Red

5702

Hanwha Halo

- Thickness : 3mm(1)
- Width : 1,830mm(W)
- Packing : 30m² / Roll

5703



- Thickness: 1.5mm [1]
- Width: 1,430mm [W]
- Packing: 50m [1] (90)

5704



Hanwha Halo

- Thickness : 1.5mm(T)
- Width : 1000mm(W)
- Packing : 30m/L x Roll

8206



Hanwha Halo

8230

- Thickness : 15mm(T)
- Width : 1,820mm(W)
- Packing : 30m(L) / Roll



Hanwha Halo

- Thickness : 1.5mm(T)
- Width : 830mm(W)
- Packing : 20m²/Roll

9905

Hanwha Halo

- Thickness : 1.6mm(T)
- Width : 1.800mm(W)
- Packing : 90m (J) / Roll

9909



- Thickness : 1.5mm
- Width : 1,350mm(W)
- Pricing : 3000 / 12 Roll

9912



 **Hanwha Halo**
Halo is a brand of Hanwha Corporation

- Thickness : 1.5mm(T)
- Width : 1,335mm(W)
- Packing : 30m(L) / Roll

9915



Hanwha Halo

- Thickness : 1.5mm(T)
- Width : 1,430mm(W)
- Packing : 30m(L) / Roll

8288



Harwin Halo

• Thickness : 5mm [1/4"]
• Width : 1,530mm [5'0"]
• Packing : 200kg / Roll

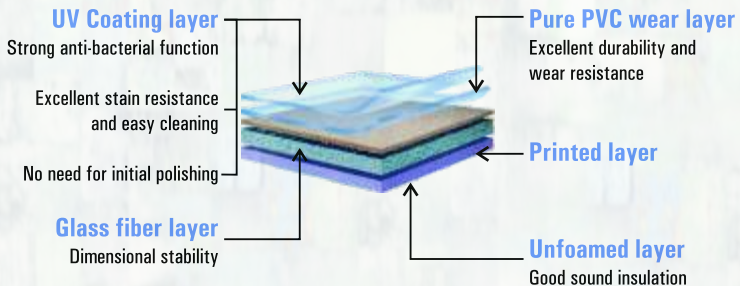
8282

Hanwha Halo

Size : 1.5 mm (T) x 1,830 mm (W) x 30m (L) / Roll

Used for : office, residential house, hospital, school, kindergarten, gymnasium, pharmaceutical, factory, restaurant, and so forth.

Product Structure



Product Specification

ITEM			UNIT	TEST RESULT	TEST METHOD
Total (Overall) Thickness			mm	1.50	ASTM F 410
Residual Indentation			mm	0.13	ASTM F 1914
Stiffness (23°C, in-lbs)	MD	Face up	lbs	0.30	QCTP 4.5.22
	AMD	Face up	lbs	0.35	Face Up only
Dimensional Stability (%)	MD		%	-0.05	Test Method LF 475a (heated 20 hours @ 158F, reconditioned 1 hr @ 73.4F and 50% RH, 8 inch benchmark)
	AMD		%	-0.04	
Modified Curl	MD		mm	0	ASTM 294
	AMD		mm	0	
Static Load Resistance			mm	0.03	ASTM F 970 - (250 psi) -
Resistance to Chemicals	5% Acetic Acid		pass No more than slight change in surface dulling, surface attack, or staining		ASTM F 925 No more than slight change in surface dulling, surface attack, or staining
	70% Isopropyl Alcohol				
	White Mineral Oil				
	5% NaOH				
	5% HCl				
	5% H2SO4				
	5% NH4OH				
	5.25 NaOCl				
	Olive Oil				
	Light Kerosene				
Unleaded Gasoline					
Tensile Strength		MD	Pil	93.5	Instron Machine (1x6 inch sample; 4inch/min. speed, 4 inch jaw separation)
Tear Resistance	MD	lbs		15.1	Instron Machine (trouser shaped die; 12 inch/min, speed, 1 inch jaw separation)
	AMD	lbs		16.4	



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