

SYSCO

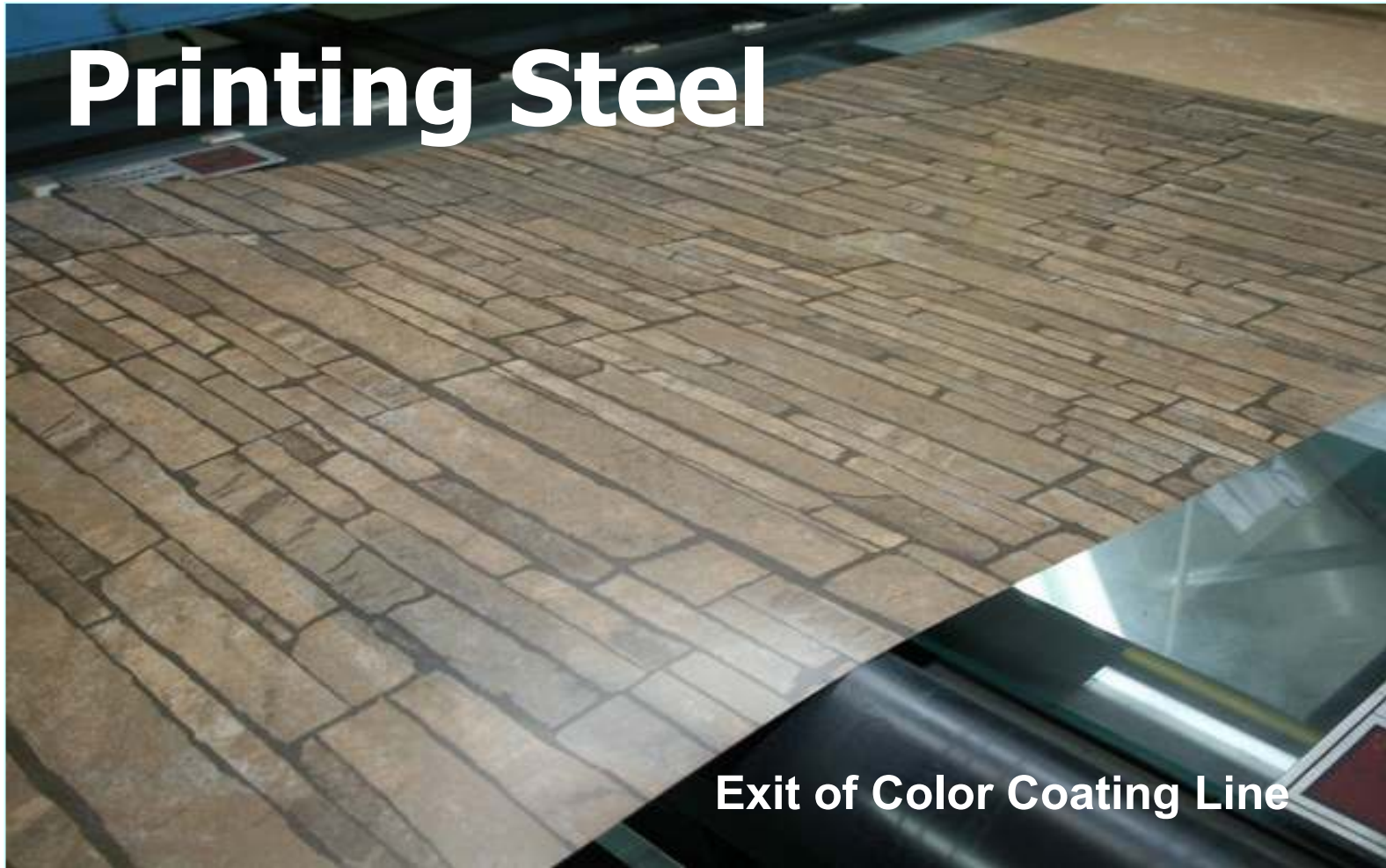


Printing Steel



SYSCO

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Exit of Color Coating Line

Others PVC laminated steel



PVC film was peeled off after used five years

SYSCO

Printing Steel use GL as substrate

PPGL Outdoor Exposure Test

(PPGI)

(PPGL)

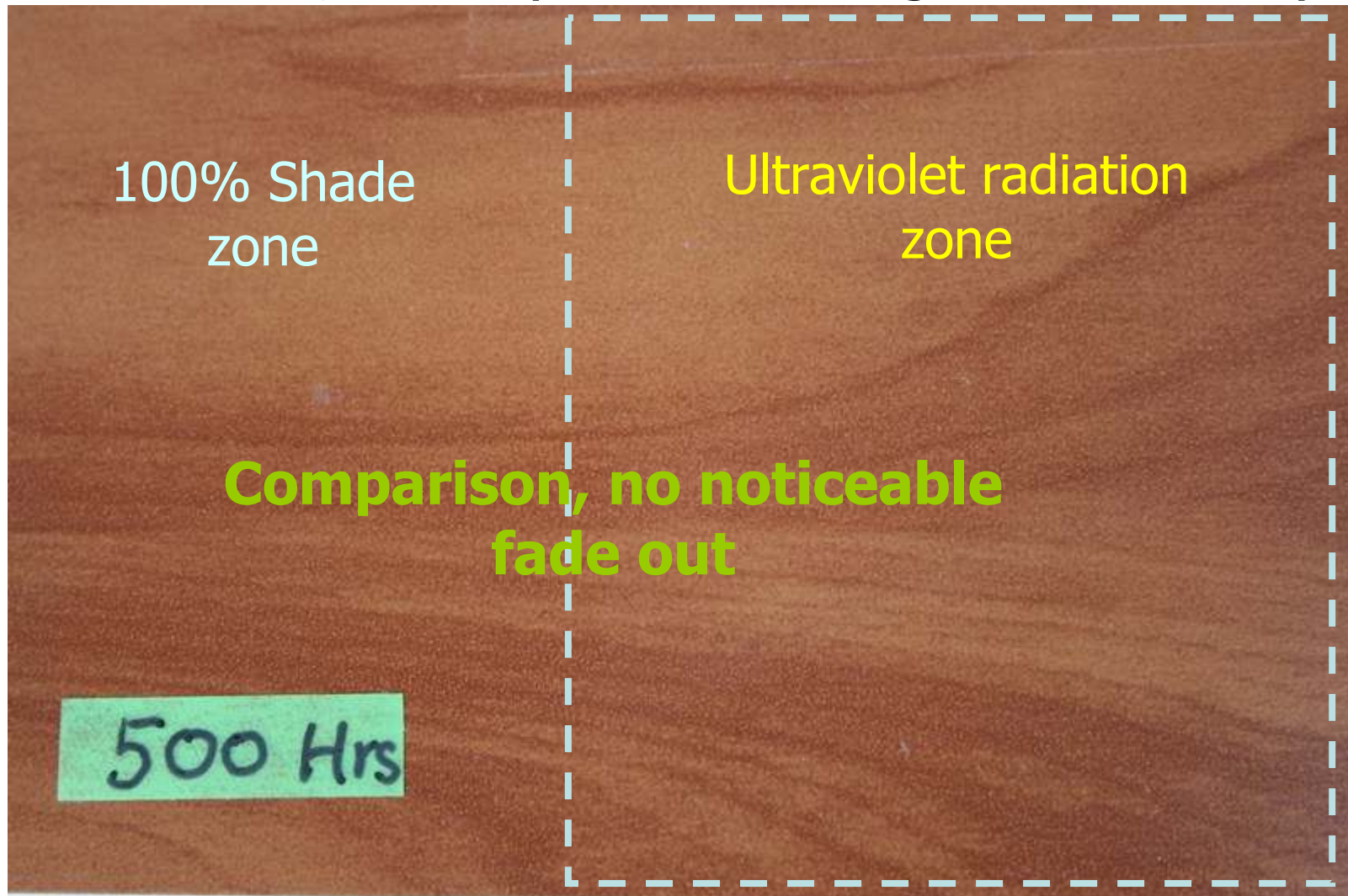
Better

Exposure 3.5y



Printing Steel Outdoor Exposure Test

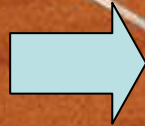
500 hours QUV test (Simulated sunlight Environment)



Printing Steel Outdoor Exposure Test

500 hours SST test (Simulated in the seaside environment)

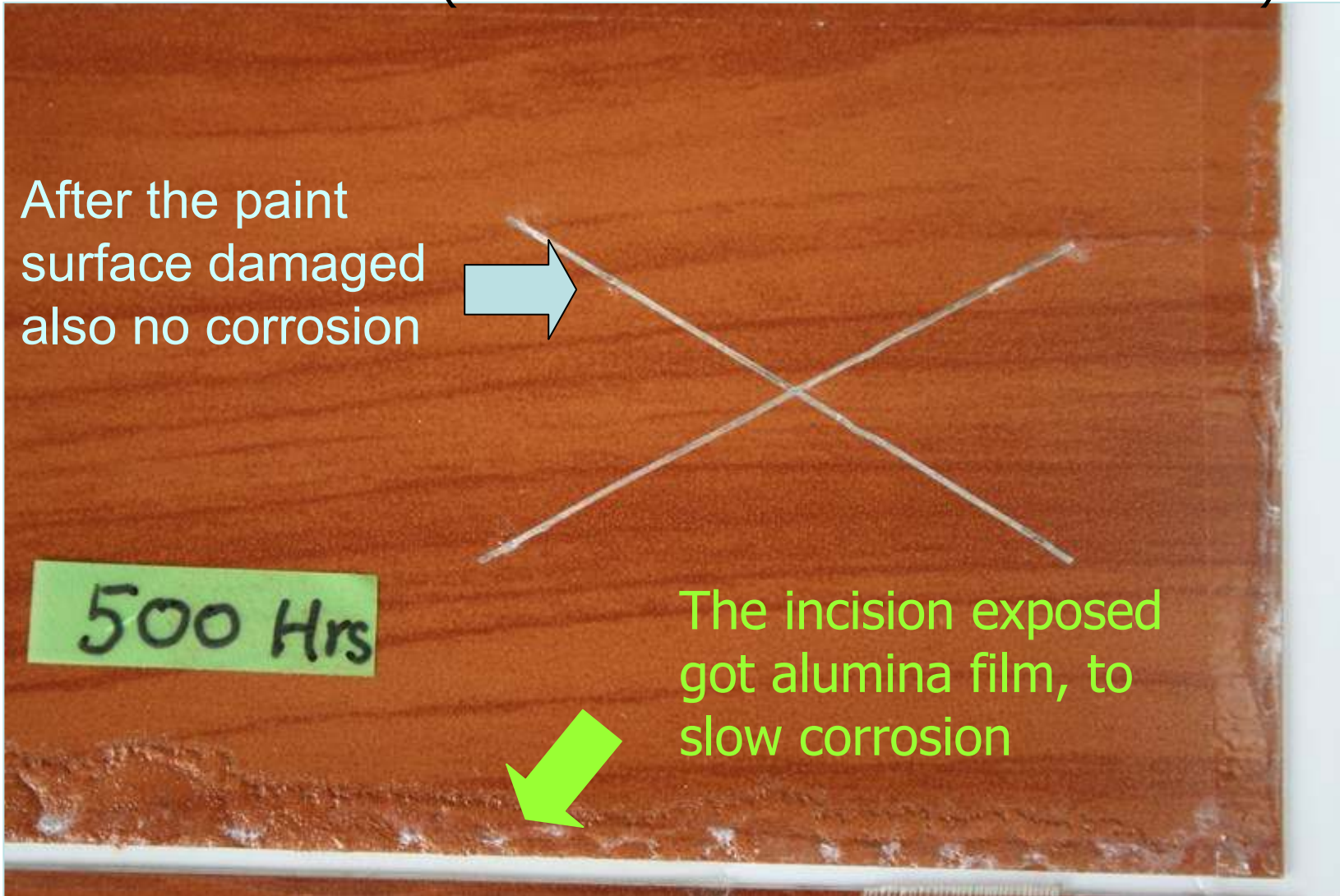
After the paint
surface damaged
also no corrosion



500 Hrs

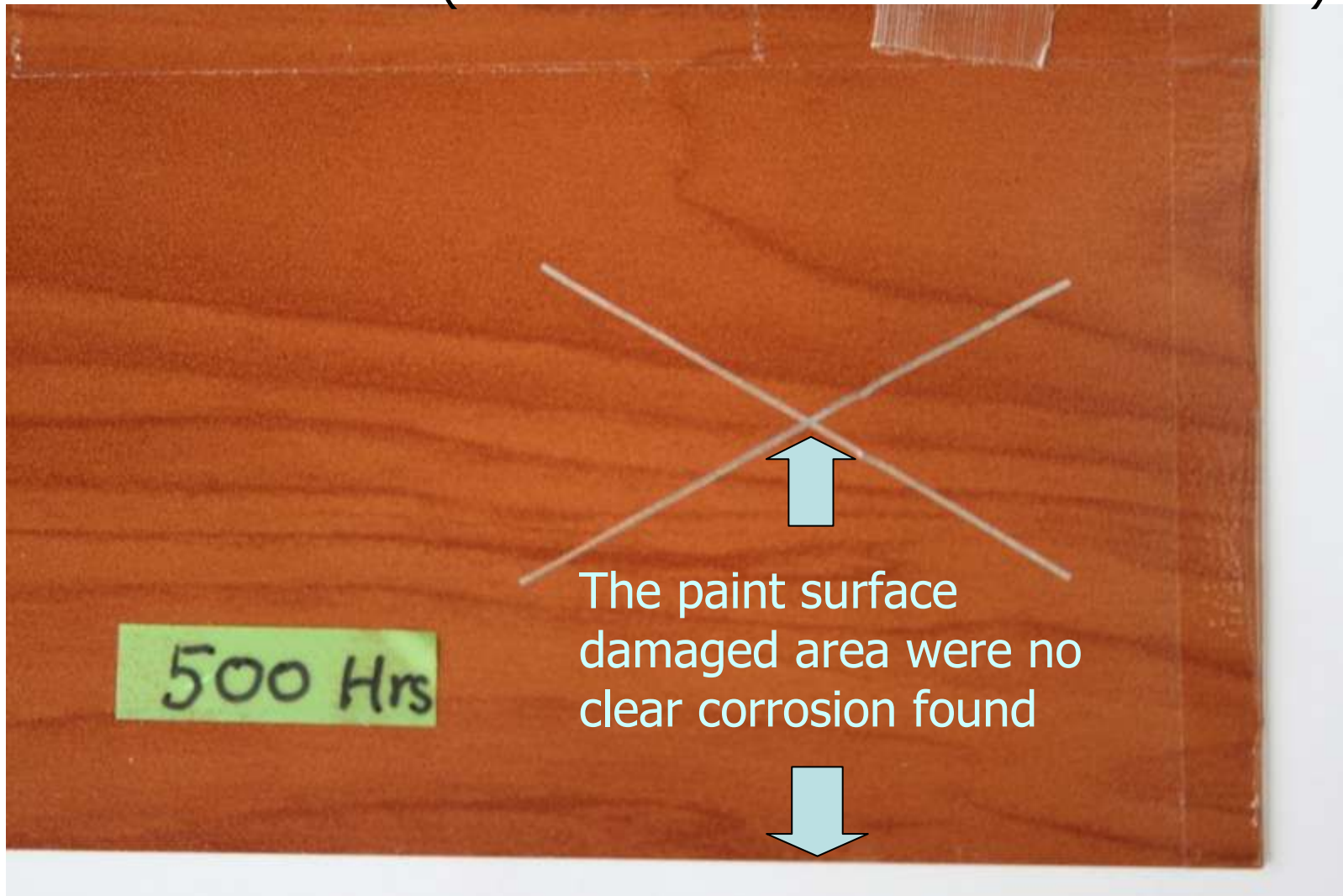


The incision exposed
got alumina film, to
slow corrosion



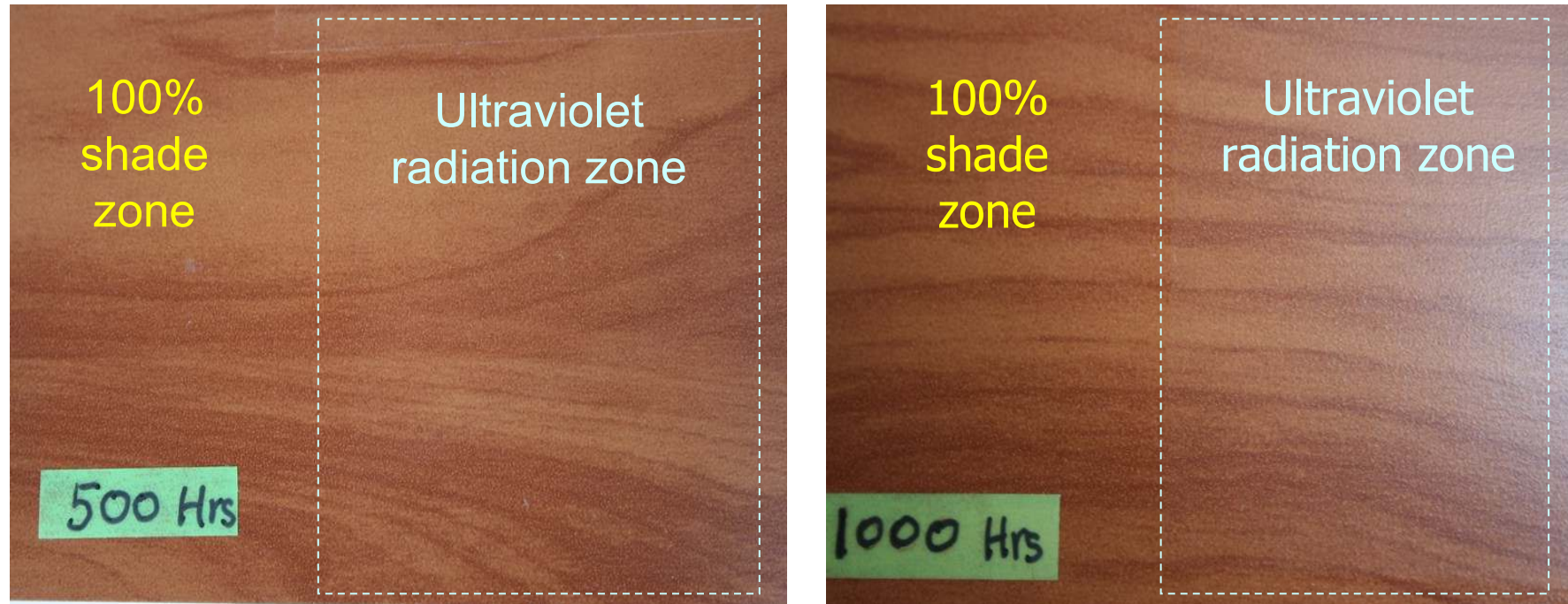
Printing Steel Outdoor Exposure Test

500 hours HT test (Simulated hot and humid environment)



Printing Steel Outdoor Exposure Test

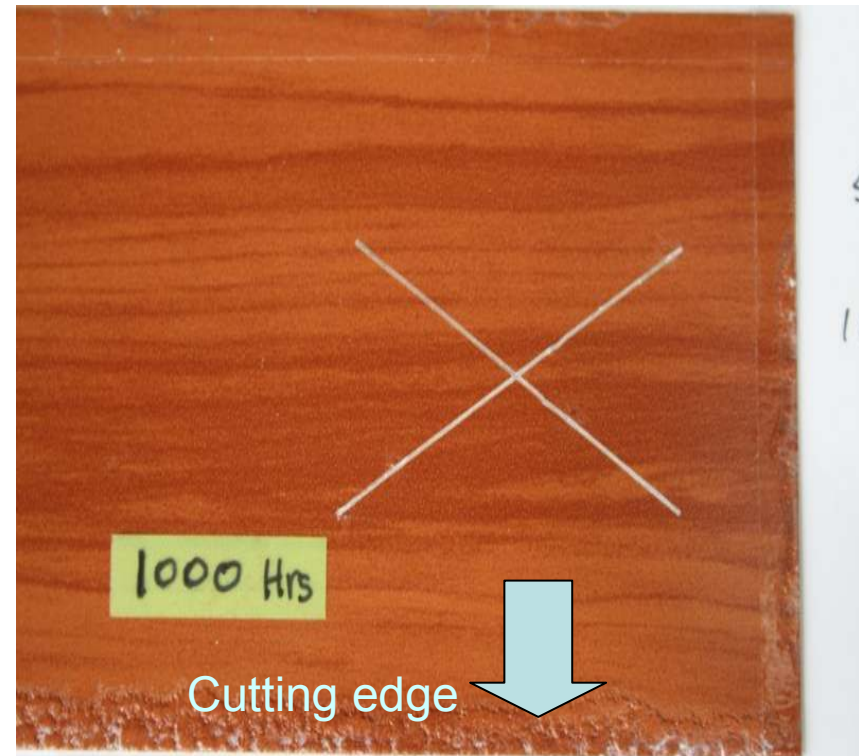
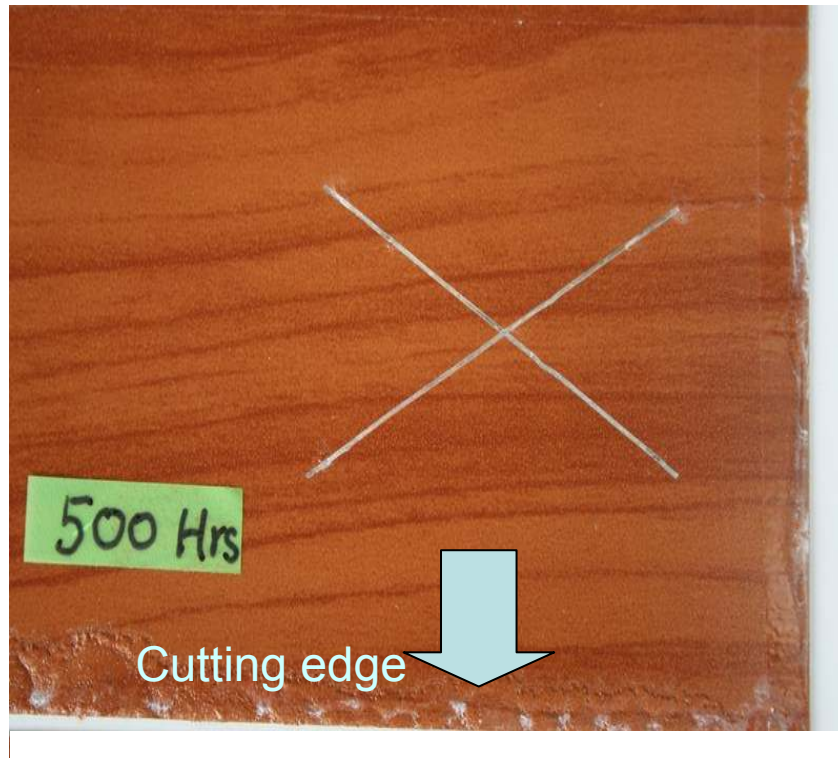
(QUV test) Comparative test of 500 hours and 1000 hours



Simulated sunlight Environment , Between 500 hours and 1000 hours almost no difference

Printing Steel Outdoor Exposure Test

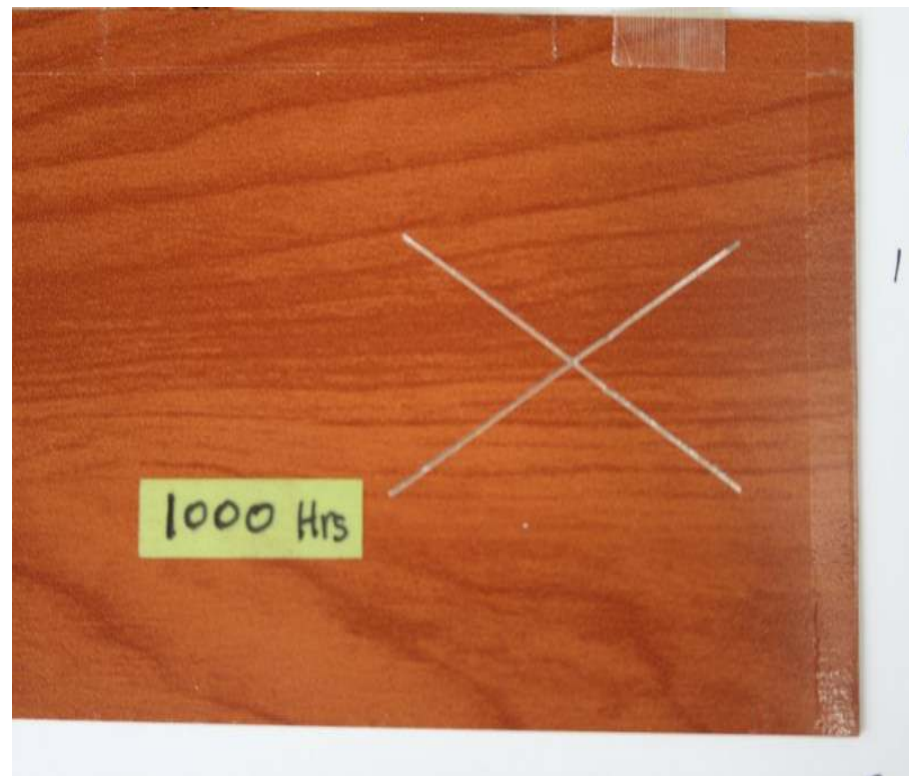
(SST test) Comparative test of 500 hours and 1000 hours



Simulated in the seaside environment , Between 500 hours and 1000 hours almost no difference

Printing Steel Outdoor Exposure Test

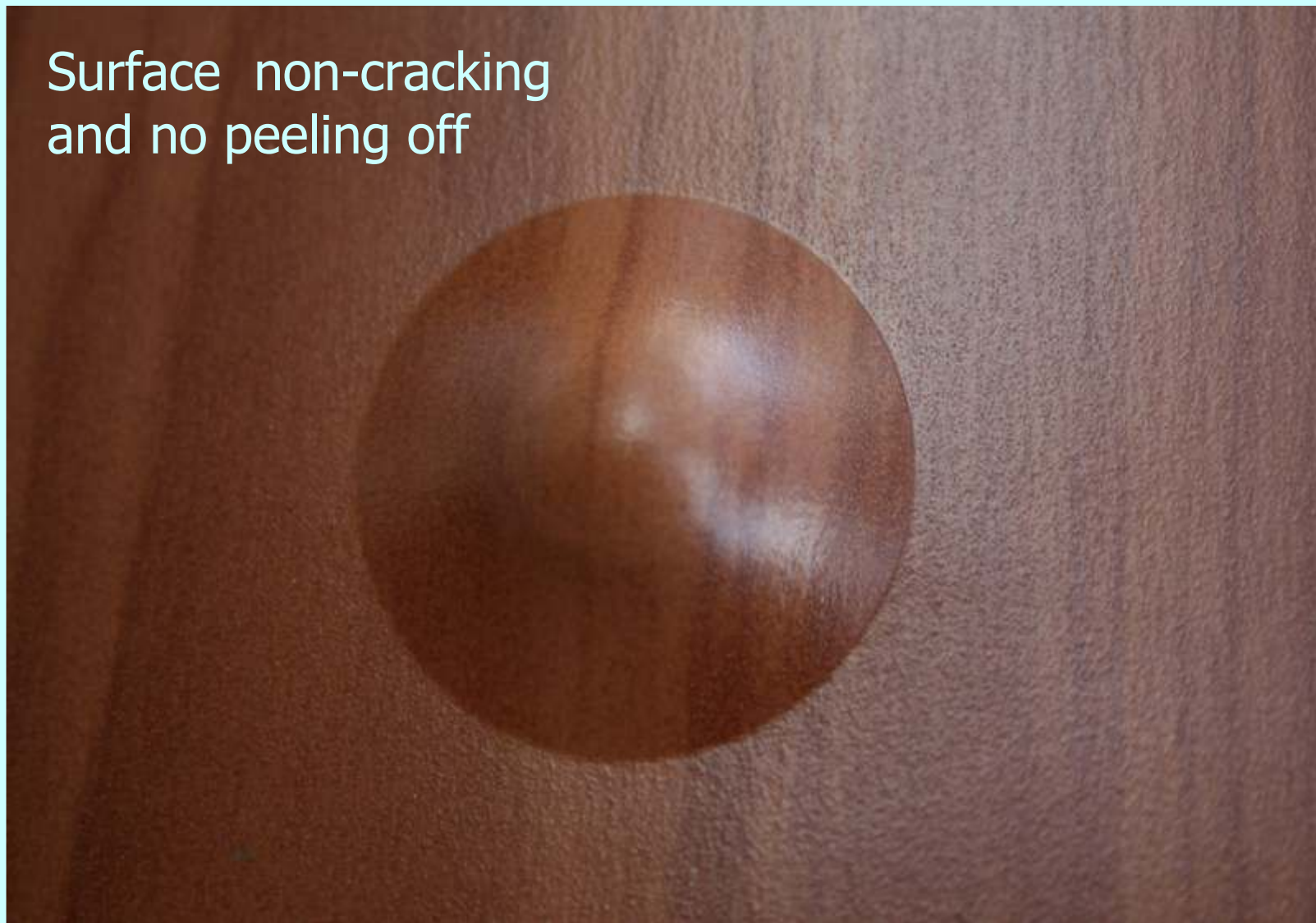
(HT test) Comparative test of 500 hours and 1000 hours



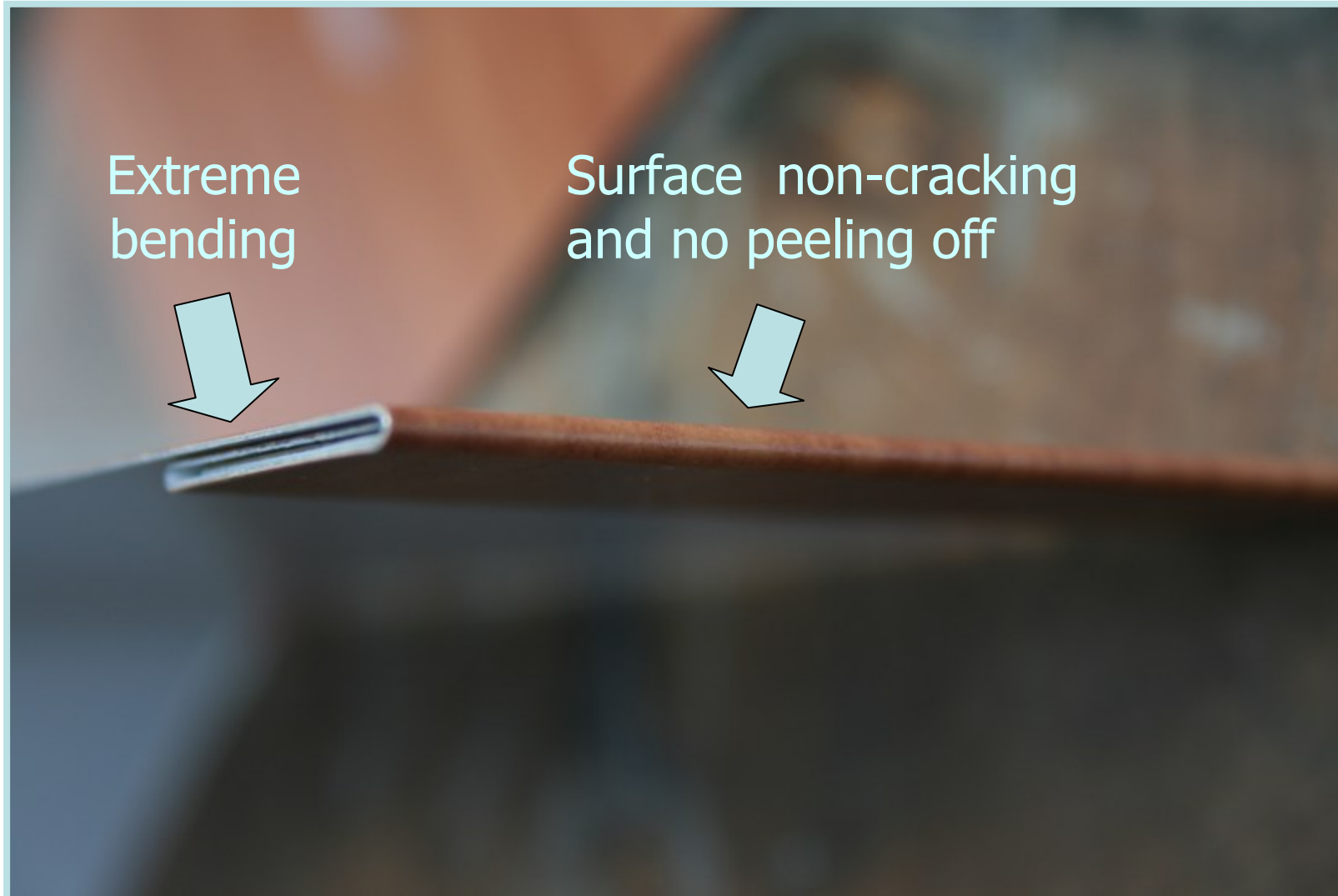
Simulated hot and humid environment , Between 500 hours and 1000 hours almost no difference

Printing Steel Impact Resistance Test

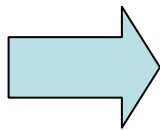
Surface non-cracking
and no peeling off



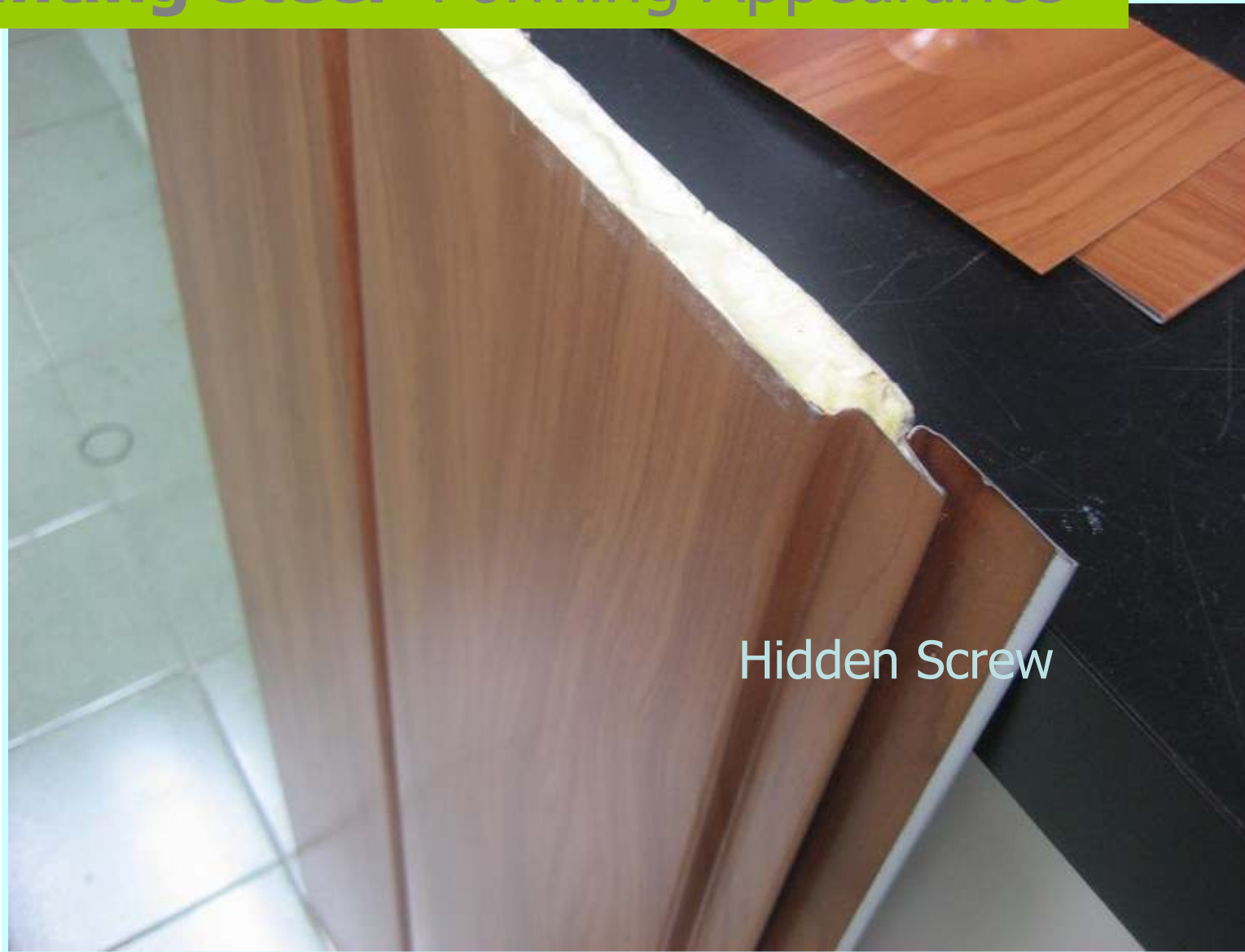
Printing Steel Bending Resistance Test



Printing Steel Forming Appearance



Printing Steel Forming Appearance



Hidden Screw

Printing Steel Forming Appearance

Hidden Screw



Printing Steel Forming Appearance

770 pattern
(width 770mm)



Printing Steel Forming Appearance



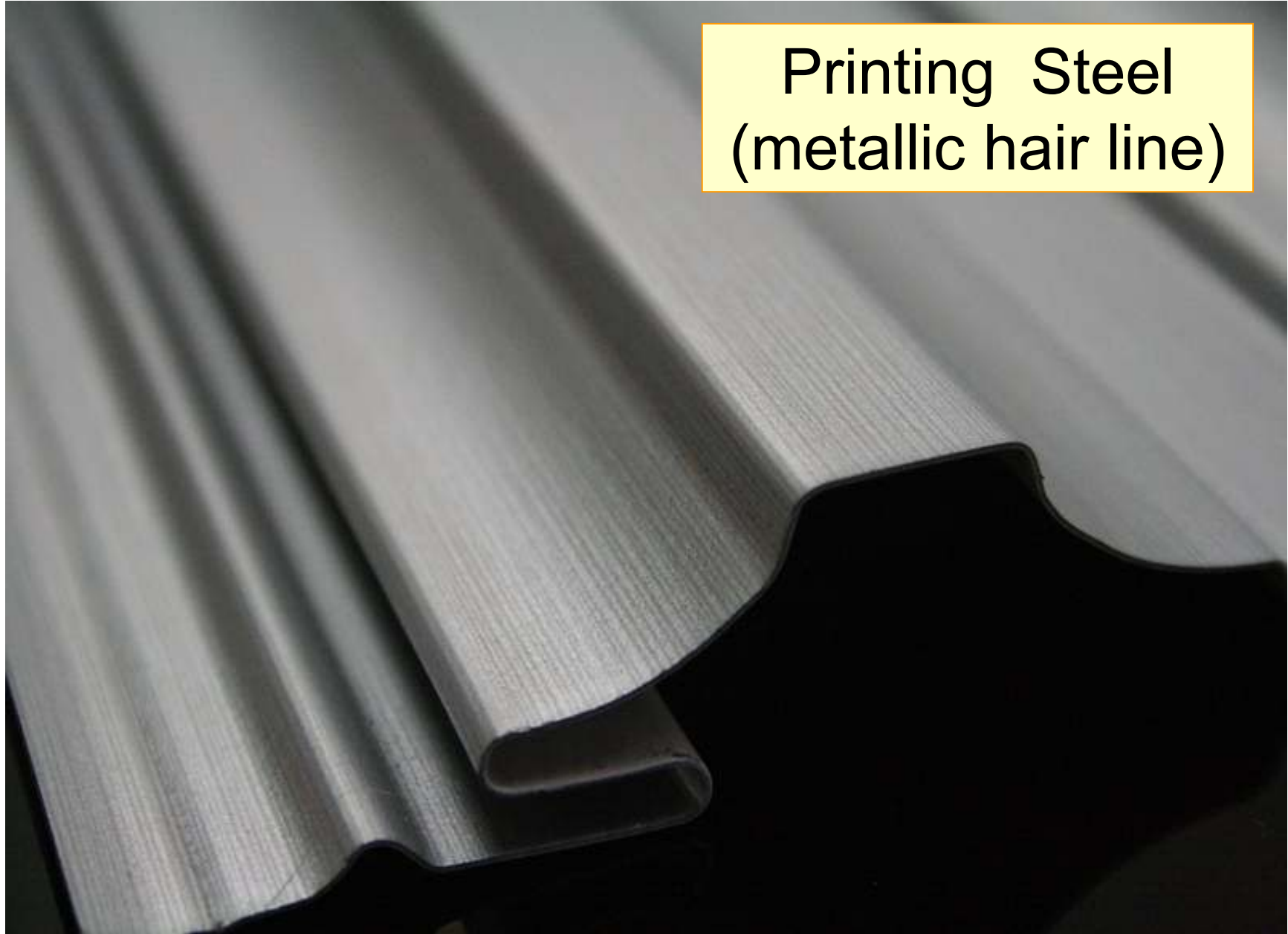
Printing Steel Forming Appearance



Printing Steel Forming Appearance



Printing Steel
(metallic hair line)



Metallic hair line

v.s.

Titanium Zinc

VM ZINC

PIGMENTO bleu/blue



SYSCO

Printing Steel



Specifications



SHENG YU STEEL CO., LTD.

NO.11 CHUNG LIN RD. HSIAO KANG, KAOHSIUNG, TAIWAN R.O.C.

Performances of Printed Prepainted Steel Sheet

Revised date : 2006/01/20

◆ Specification Availability :

Specification	1. JIS G3322-1998 CGLCC 2. ASTM A792(M)-01a CS 3. SYSCO CGLC		
Thickness	0.30-1.2 mm (Base metal thickness)		
Width	914~1270mm		
Coating Mass	AZ150		
Top Gloss	25 ~75		
Paint films	Top coat	Base coating	Polyester
		Finish coating	Polyester

◆ Characteristics :

Test Item	Test Method	Specification
1. Coating mass	ASTM A90	$\geq 150 \text{ g/m}^2$ (AZ150)
2. Color difference	ASTM D224, Comparing color difference with acknowledged standard color sample	No obvious difference
3. Gloss (60°) tolerance	ASTM D523, JIS K5400	As customer spec. ± 10
4. Adhesion test	JIS K 5600 .5.6, Make 100 square by cross cut and then take off by tape	No Tape off 100/100
5. Impact resistance	With Du-Pont impact tester 500gx50cm	No cracking, No peeling off
6. Bending test	ASTM D 4145 180° bending with tape testing	5T No Tape off
7. Alkali resistance	Seal the 4 edges of specimen by adhesive tape and then dip into 20°C 5% NaOH for 24 hrs	No blister on surface
8. Acid resistance	Seal the 4 edges of specimen by adhesive tape and then dip into 20°C 5% HCl for 24 hrs	No blister on surface
9. Salt spray test	ASTM B 117 Seal the 4 edges of specimen, and then put it into SST (35°C x 5% salt-solution fog) for 500 hrs	No obvious blister on surface
10. Humidity resistance	ASTM D 2247, JIS K 5600.7.2	No obvious blister