

HIGH PRESSURE LAMINATE - TECHNICAL DATA SPECIFICATION

PROPERTIES	ADMIRA (AICA)		ADMIRA (DUROPAL)		ADMIRA (LAMICOLOR)	
	TEST METHOD (JIS K 6902:2007)	PROPERTY REQUIREMENT (JIS K 6903:2008) [LD-GP]	TEST METHOD (DIN EN 438-2)	PROPERTY REQUIREMENTS	TEST METHOD (EN-438-2)	PROPERTY REQUIREMENTS
Thickness	-	0.8 ± 0.1mm	-	0.8 ± 0.1mm	-	0.8 ± 0.1mm
Abrasion Behaviour	JIS K 6902:2007 6.2	more than 200 revolutions	DIN EN 438-2	500-700 identification No.3	EN-438-2.6	> 400 Revolution
Scratch Resistance	JIS K 6902:2007 14.2	4 to 5	DIN EN 438-2	1.75 to 5.0N	EN-438-2.14	2N (acc. to colours & finish)
Resistance to Staining	JIS K 6902:2007 15.2	No change for materials (3,6,7,8,9,10,17)*. No change or slight change for materials (1,2,4,5,11,12,13,14,15,16,18)*	DIN EN 438 ANS ISO 4586	Passed	EN-438-2.15	Grade 5 for group 1-2 / Grade 4 for group 3-4
Resistance to Impact	JIS K 6902: 2007	400 min. (mm)	DIN EN 438-2	25 N	EN-438-2.20	≥20 N
Resistance to Dry Heat	JIS K 6902:2007 8.2	More than Grade 3 for gloss finish, More than Grade 4 for other finishes	DIN EN 438-2	Grade 3 for bright finishes / Grade 4 for other finishes	EN-438-2.8	Grade 3 for bright finishes / Grade 4 for other finishes
Resistance to Boiling Water	JIS K 6902:2007 7.	Weight increase; max. 17%. Thickness increase; max. 19%. More than Grade 4	DIN EN 438-2	Passed	EN-438-2.7	Grade 4 weight Increase max 6%, thickness increase in max 6%
Colour Fastness	JIS K 6902:2007 16.4	More than Grade 3, less than ΔE 3.0	DIN EN 438-2	Blue Wool Scale:>6	EN-438-2.16	Blue Wool Scale:>6
Dimensional Stability	JIS K 6902:2007 9.2	Long; max. 0.7%, Trans; Max. 1.2%	DIN EN 438-2	0.80%	EN-438-2.9	Long = 0.5% Trans = 0.8%
Resistance to Cigarette Burn	JIS K 6902:2007 17.2	More than 45 seconds	DIN EN 438-2	Passed	EN-438-2.18	Grade 3
Resistance to Accelerated Weathering	ASTM G154: 2006 (8 hrs. QUV and 4 hrs. Condensation) - No loss of gloss, No cracking or delamination					
Fire Rated	Class 0 Fire Propagation: BS 476: Part 6: 1989 + A1: 2009 Surface Spread of Flame: BS 476: Part 7: 1997 (Class 1)					
Singapore Green Label Scheme	SGL #042-038-2160 Environmentally Improved Low Emission Low Toxicity		SGL #042-002-1241 Environmentally Preferred Laminate		SGL #042-002-1243 Environmentally Preferred Laminate	
Singapore Green Building Product Certification Scheme	SGBP 2011-047					
Marine Grade Certification	DET NORSKE VERITAS (DNV) EC TYPE-EXAMINATION CERTIFICATE MED-B-9378 QS - CERTIFICATION OF ASSESSMENT - EC MED-D-1798			CSI S.p.A - CSI CERT MED/0497/452/14		

*** MATERIAL USED IN TESTING**

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| 1. Tea | 8. Acetone | 15. 2% solution of mercurochrome |
| 2. Coffee | 9. Olive oil | 16. 5% solution of phenol |
| 3. Milk | 10. 10% aqueous ammonia | 17. Aqueous solution of acid sodium sulfate |
| 4. 1% alcohol solution in iodine | 11. Crayon (Black) | 18. Soy Sauce |
| 5. Edible vinegar | 12. Shoe Polish (Black) | |
| 6. 10% water solution of citric acid | 13. 0.01% aqueous solution of red food colouring #102 | |
| 7. Gasoline | 14. Ink (Blue/Black) | |