

Dai Nippon Printing Co.,Ltd.

DNP CL-500D laminator provides more durability and security on the card printed by DNP CX210. Recently, the durability and security is an important factor among the governmental application such as drivers license and citizen ID. DNP 1.0 mil clear patch film bears the number of the swipes over 10 times than that of DNP CX210 normal printing and it prevents image fading when the card is exposed under the sunlight.

Hologram overlay gives the uniqueness and prevents the card counterfeiting and image fading too.

Type of material

Hologram overlay film (DNP generic image)	1,000 images/roll
Clear 1.0mil patch film	600 images/roll
Hologram 1.0 mil patch film (DNP generic image)	600 images/roll

*The other materials are to be released later



CL-500D card durability test result

	Testing Condition	DNP CX210	CX210 + Hologram overlay	CX210+ 1.0mil clear patch
Abrasion	Tabar(CS-10 weight 500g) measures number of cycles to destroy printed image	500	500	>5000
Image Fading	UV fading test by SUGA U48. 72hours of exposure, measure d by RD918 density	58%	Same as 1.0mil, but impossible to measure precisely	32%
Water proof	Wash with clothes by automatic washing machine on standard cycle (48 min)	OK	OK	OK
Plasticize	Press the plastic eraser under 40 degreeC 19.6kPa 48 hours	Transference	Transference	OK