

## PPF Inspection Report



Swiss Shield

No.	Inspection item		Nano7.5	Remark or inspection ways(instrument)
1	General requirements	Specification	1520mm	tape
		Coating protective film thickness	50µm	thickness gauge
		Polyurethane coating thickness	8-10µm	thickness gauge
		TPU thickness	150µm	thickness gauge
		Glue thickness (Bostik)	25µm	thickness gauge
		Total thickness	185±10µm	thickness gauge
		appearance	pass	Visual
2	Optical performance	Surface gloss	20°/60°/85°	95.8/101/99.9 Black lacquer panel+Gloss tester
		VLT	visible light transmittance	88.4 LS162A
3	Mechanical properties	Peel force	20min	1222
			24hrs	1551 Black lacquer panel
		tensile strength(Mpa)		29.5 Peel force tester
		elongation at break(%)		352.332 Peel force tester
4	chemical properties	Car cleaning agent	Regular test 30 seconds	pass
		Asphalt Cleaner	Regular test 30 seconds	pass
		soap water	Regular test 24 hours	pass
		acidproof	Regular test 24 hours	pass Take 2 drops with a 2ml dropper and place them on the film surface

	petrol	Regular test 24 hours	pass	
	diesel	Regular test 24 hours	pass	
5	aging properties		pass	aging surface
6	Drop angle test		102°	Water contact Angle tester
7	Rain spot resistance		pass	the product on the cover plate, put them outdoor for 1 month, and observe it after cleaning
8	Repair performance		pass	Scrape 30 times with a fine wire brush, self-repair in hot days, and warm up with hot water at about 90-100°C or a roasting gun in cold days
9	Permeability resistance (Double jay pen)		pass	Write on the surface of the film with an oil-based pen and wipe with alcohol

Made  
in

Switzerland

[swissshieldppf.com](http://swissshieldppf.com)

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