

## PPF Inspection Report



Swiss Shield

No.	Inspection item			Nano7.5	Remarl 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	Black lacquer panel	
			24hrs	1551		
		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	Take 2 drops with a 2ml dropper and place them on the film surface	
		Asphalt Cleaner	Regular test 30 seconds	pass		
		soap water	Regular test 24 hours	pass		
		acidproof	Regular test 24 hours	pass		

		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

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