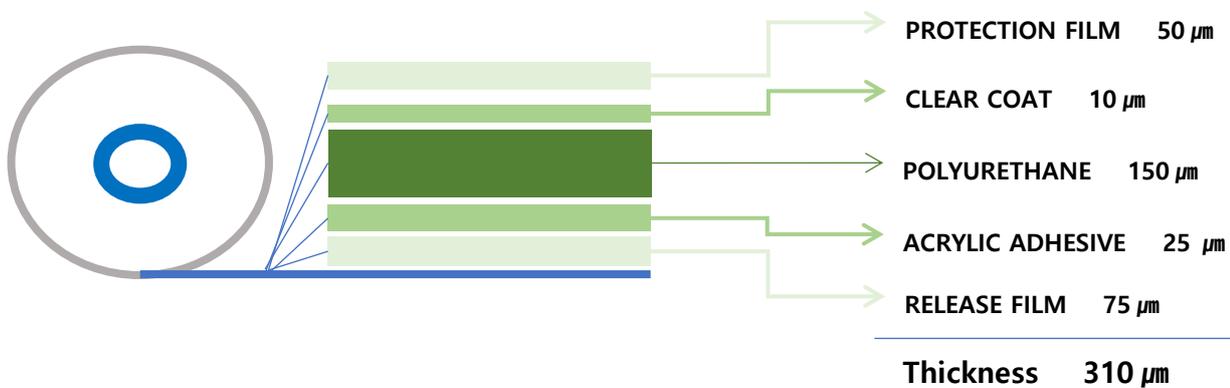


**SkinPro™ Shield (Pure Clear/Crystal Black/Pure Matt PPF)** is a 6 mil, aliphatic, clear urethane film designed for exterior applications on automotive paint surfaces. It is very low surface energy film designed to resist staining and offers superior environmental resistance and gloss retention. Its self-healing properties make it superior choice among paint protection films.

## Construction



## Characteristics

PROPERTIES	TYPICAL VALUES	TESTING CONDITONS
Tensile Strength	>15MPA	1mm/min
Elongation at Break	>200%	1mm/min
Gloss	>95%	60 Degree
Water Contact Angle	> 105°	5seconds after drop water
Peel Adhesion	> 12 N/25mm	30min
	> 16 N/25mm	48hrs
	> 19 N/25mm	168 hrs
Xenon weathering		500 hrs (uv 100 mW/cm², 63°C/70%RH, 50°C/90%RH)
Heat Age	Pass	
Water resistance	No visible damage	Water bath chamber 40°C / 500hrs
Acid resistance	No visible damage	JIS K 5400

Type	SkinPro™Shield	SkinPro™Matt	SkinPro™Black
Appearance	Clear	Matt	Black

### Functions



#### Self-Recovery

Recovering minor scratches from road debris, accidental marks on vehicle body.



#### Non-Yellowing

Developed and tested in the real fields, TPU substrate resists turning to yellow on PPF itself.



#### Hydro-Repelling

Nano-ceramic top coating on TPU works repelling rain drops, oil, grease and other contaminants on vehicle body.



#### Glossy Finish

Covering by SKIN PPF, the vehicle looks much shiny and it makes the original vehicle color longer than ever.

### Applications

**UShield**  
Invisible Comforts



### Roll Size

Width	1,520 mm
Length	15m
Weight	11kg



### Caution

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change.



UShield is a researcher and manufacturer producing significant energy efficient products and providing with energy saving solution in variety of industries.