

HYPERSHIELD PROTECTION FILM

# HYPER PRO — CLEAR MATTE (CM)

#### 1.Structure



**Protective Film** 

Coating

Lubrozole Base Film / Urethane

PSA Glue/Ashland

Liner

# 2.Spec Data PERSHIELD

Item	Paint ProtectionFilm HYPERSHELD		
Function_RSF	Paint protection		
Type	Hyper Pro Clear Matte (CM)		HYP Test Method
Linerbubbles	visuallyinvisible		visual test
Dust	visually invisible		visual test
Crystal points	0.1-0.6mm	allowed	
	0.7-2.9mm	<10	visual test
	T3.0mm	1max	
Coateddump	visuallyinvisible		visual test
Glueline	visually invisible		visual test

#### **Test Method Description:**

- For coated dumb strips menors
   Check the surface of the sample with natural vision;
- For crystal points HYPERSHIELD

Take the most dense area of sampled crystal points as the measuring area, and take 12.7cm\*12.7cm is the counting interval for size and quantity evaluation.



#### 2.2.Physical performance

Item Item	PaintProtection	TestMothod	
Туре	Hyper Pro Clear Matte (CM)		
Gloss 60°	<b>T</b> 90 ₩	GB8807	
Gweight(Finshed)	400~440g/m2	GB/T4669	
Gweight(Glue)	25-30 g/m2		
ProductThickness	195-215(um)	Hypersini	
LayerThickness	43~49 um	HYPERSHIELD	
CoatingThickness	13-15(um)		
UrethaneThickness	170~195 um	GB/T7125	
GlueThickness	23-28(um)		
Linerthickness	75-85 um		
Elongationatbreak	T300 %	GB/T1040.1	
Shrinkage MD	40.5 mm	FTM14	
Shrinkage TD	Shrinkage TD   10.4 mm		
Releaseforce	- 0. 35 N/25mm	GB/T2792	
Tack	⊤8 N/25mm	FTM9	
24h 180°Peel	T16 N/25mm	GB/T2792	

#### **Test Method Description:**

Elongation at break of finished products, according to "GB/T 1040.1 Determination of Tensile Properties
of Plastics Part 1 General Rules", record the elongation at break value of finished products when film
breaks in the tensile test.

#### 2.3.Characteristic

Type	Anex Gard Ultimate Series	TestMethod
SelfHealingFunction	RSHIELD Hot	0.1mm Brush&Hot
Watercontactangle	Т90°	DL/T864
Antiacid	oxalate72(Pass)	Labtest
YellownessIndex	-12	QUV HVFER
Anti-fouling	StrongestMarker(PASS)	Labtest
THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		



#### **Test Method Description:**

- Scratch Repairing Function
  Use a copper brush with a copper wire within 0.1mm. After brushing the coating surface for 10 times in a circular manner, after heating it with a baking gun or 100°C boiling water, visually inspect the disappearance of fine scratches; disappearance of fine scratches;
- Acid and Alkali Resistance

  10% hydrochloric acid, 0.1mol/L sodium hydroxide solution, after smearing the surface of the sample and leaving it for 24 hours, evaluate the appearance of the sample without visible bubbles, cracks and other coating defects;
- Anti-Stain
   Use equipment with UV radiation, heating and spraying functions to damage the sample, refer to the corresponding provisions of GB/T 16422.2 for parameter setting, and the spraying water uses general industrial water.

## 3. Storage

#### Shelf Life (before application):

The shelf life of this film is 1 year when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

### 4.Warranty

#### Warranty Coverage:

Valid from date of purchase. Covers defects in materials and manufacturing against yellowing, cracking, blistering, and delaminating.

This warranty does not cover damage caused by misuse, accidents, misapplication, normal wear and tear, dents from road debris impact, collisions, and/or intentional damage of any kind. You must retain a copy of this warranty and proof of purchase identifying the name of the original installer/dealer, purchase price, product, and coverage areas. These documents are needed to process your claim.

# E-WARRANTY REGISTRATION BY CUSTOMER AND APPROVAL BY COMPANY IS COMPULSORY TO AVAIL BENEFITS