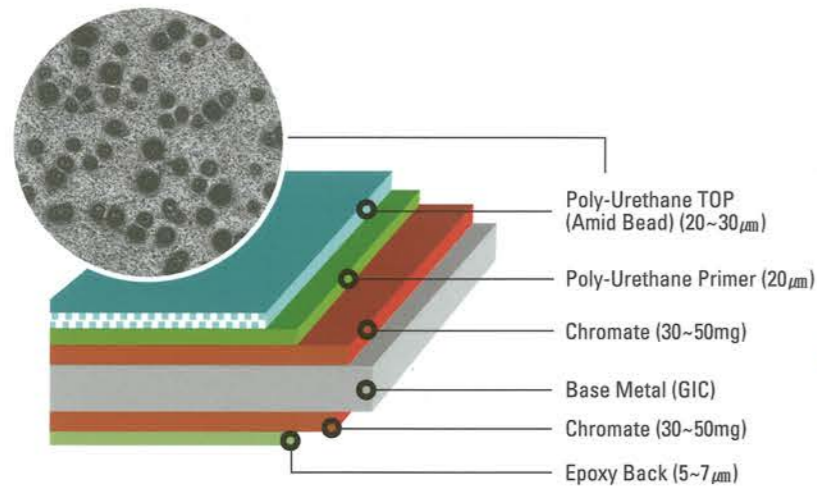


## ONE STEP TO ENVIRONMENT

**Component of Plasticizer :** There is so much environmental hormone in the plasticizer(DOP, DBP) that is essential to make PVC-Sol. High-Build Poly-Urethane is Environment friendly with nice mechanical & Chemical property even though it has No Plasticizer.



### The merit of High Build PU 45

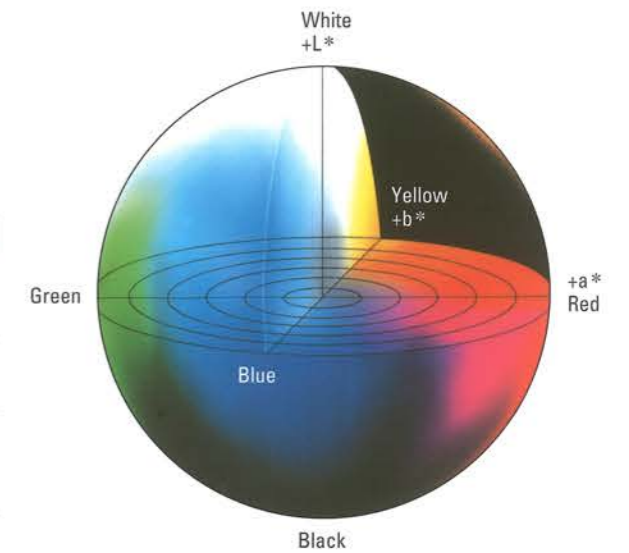
1. High Abrasion, Flexibility With Good Adhesion
2. High Resistance to Chemicals
3. Ability for High Gloss, UV Stable Coatings With Aliphatics

### Comparison Salt spray Test Behavior (ASTM B117)

Time (hours)	High-Build PU 45 $\mu$ m	Plasti-Sol 200 $\mu$ m
48	- Unchanged	- White rust on cut edges
120	- Unchanged	- White rust on cut edges
240	- White rust on cut edges	- White rust on cut edges - Blistering on both sides along cut edge
500	- White rust on cut edges	- White rust on cut edges - Blistering on both sides along cut edge and up to 0.5cm into the coated surface
648	- White rust on cut edges	- White rust on cut edges - Blistering - Coating is peeling off along cut edges
744	- White rust on cut edges - Very small blistering along cut edges	- White rust on cut edges and in the scratch - Blistering - Coating is peeling off along cut edges up to 1.0cm into the coated surface
1000	- White rust on cut edges - Small blistering along cut edges	- White rust on cut edges and blistering - Coating is peeling off along cut edges up to 1cm into the coated surface - Some peeling off at corners

### Humidity Test Behavior (DIN 50017KFW)

Time (hours)	High-Build PU 45 $\mu$ m	Plasti-Sol 200 $\mu$ m
1000	- Practically unchanged	- White rust along cut edges



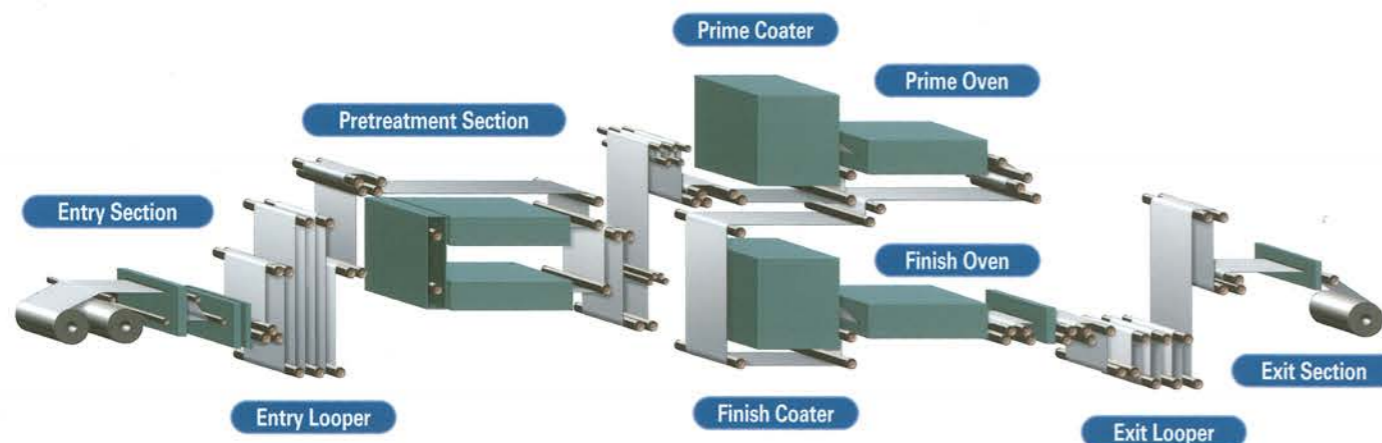
### Properties

Test item	Result	Spec
T-Bend	0T-No Peel Off Over 3T : No Crack	ISO 1519
Taber Abrasion	Loss : Under 35mg	ASTM D4060
Clemen Test	Under 3Kg No Peel Off	ISO 1518
Impact Test	14J : No Crack 18J : No Peel Off	ISO 1518
MEK Rubbing	Over 100times	ECCA T11
Chemical Resistance	5% NaOH (24Hrs) : Good 5% HCl (24Hrs) : Good	ISO 2812
Salt Spray Test	5% NaCl (1000Hrs) - X-Cut : Under 2mm - Edge : Under 8mm	ISO 7253
QUV Test	Duration : 1000Hrs - Gloss : 89% - $\Delta E \leq 1.2$	ASTM D4587

Environment friendly

# High Build PU 45

For people, society and the future, it is Hysco's mission and pride to carefully preserve the environment.



### Specification & Available Dimensions

Classification		Details
Spec		EN 10142 DX51D+Z, EN S220GD-320GD+Z (even ASTM, JIS, KS)
Size	Thickness	0.35~1.6mm (0.5~1.2mm)
	Width	900~1650mm (1200~1600mm)
Zn Coating wt		120 ~ 275 g/m <sup>2</sup>

▶ ( ) : favorable Size

