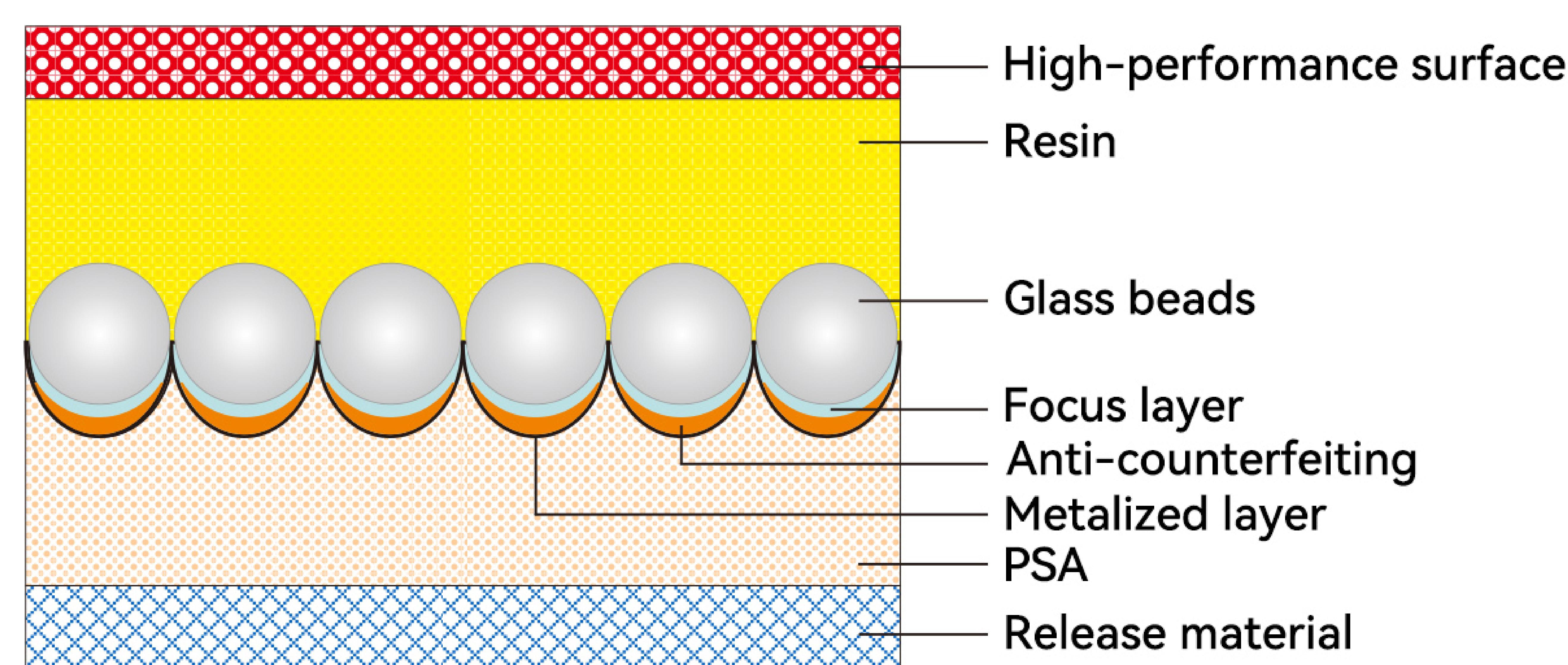## DM3100

DM3100 Commercial Grade reflective sheeting is a glass beads structure reflective material that is widely used in the outdoor advertisement area with its rich color. Which possess sufficient retro-reflections and good performance in lettering. This product is designed to be used in the temporary advertisement signs and road signs, lettering.

Color	Item No.	
White	3101	⚪
Yellow	3102	🟡
Red	3103	🔴
Green	3104	🟢
Blue	3105	🔵
Brown	3106	🟤
Black	3107	⚫
Orange	3108	🟠

Product features

DM3100 series Commercial Grade reflective sheeting is untearable, unprintable, but suits for die cutting.

Structure

- High-performance surface
- Resin
- Glass beads
- Focus layer
- Anti-counterfeiting
- Metalized layer
- PSA
- Release material

Application

Lettering & temporary Signs

Adhesive Application

DM3100 Commercial Grade series sheeting is recommended to use on the aluminium and steel boards. When used on a High-density polyethylene (HDPE) surface or PP surface, different kinds of adhesives for these surfaces can be offered.

Color Chromaticity

Standard light source : D65, Observation condition: 45/0, Observation angle: 2°								
color	Color Chromaticity							Luminance Factor
	x	y	x	y	x	y	x	y	
White	0.350	0.360	0.300	0.310	0.285	0.325	0.335	0.375	=0.27
Yellow	0.545	0.454	0.464	0.534	0.427	0.483	0.487	0.423	0.16-0.40
Red	0.690	0.310	0.658	0.342	0.569	0.341	0.595	0.315	0.03-0.10
Green	0.007	0.703	0.026	0.399	0.177	0.362	0.248	0.409	0.03-0.10
Blue	0.078	0.170	0.137	0.038	0.210	0.160	0.150	0.220	0.01-0.10

Specifications for New Sheeting

Roll details

Width	1.24m(48'')/0.62m(24")
Length	45.7m(50 yards)
Weight	20kg(44.5lb)
Box Dimensions	1.31*0.21*0.21m
Thickness (without release paper)	0.07mm (2.8mils)
Weight of Release Paper	125g/sqm
Adhesion	15N/25mm (FINAT TM1, after 24h, aluminum plate)
Service life	3 years

Retroreflectivity

DM3100 series exceeds the normal commercial grade reflective sheeting and has higher retro-reflection. The reflection is shown as followed table.

Co-efficiency of retro-reflection

Observation Angle	Entrance Angle	White	Yellow	Red	Green	Blue
0.2°	-4°	20	12	5	4	2.2

Other types of commercial grade reflective sheeting

Surface type	Item No.	Features	Color	Reflection white 0.2/-4
Acrylic	DM3200A	Rich color, suits for screen printing	○ ● ● ● ● ● ●	16 cd
Acrylic	DM3200	Rich color, suits for screen printing	○ ● ● ● ● ● ●	30 cd
PET	DM3310	High reflection, suits for die cutting	○	70 cd
PET	DM3100	Suits for die cutting	○ ● ● ● ● ● ●	20 cd
PET	DM3500	Suits for die cutting	○ ● ● ● ● ● ●	16 cd
PVC	DMP3000	Excellent performance for digital printing	○	20 cd
PVC	DMP2000	Excellent performance for digital printing	○	15 cd
PVC	DM3320	Excellent performance for digital printing, high retro-reflection	○	96 cd