

## Specification

Substrates:	Aluminium (AA1100, 3003, 3004, 3105, 5006, 5052, 8011, etc), etc.
Thickness:	0.08-1.5mm
Width:	<1800mm
Coils core diameter:	150mm ,405mm, 505mm, 508mm, 510mm
Coating thickness:	PVDF >=25micron POLYESTER>=18micron
Color standard:	E < 2 or it is not obvious by eyeballing
Pencil hardness:	> 2HB
Coating adhesive:	not lower than first grade Impact: no any crack (50kg/cm, ASTMD-2794:1993)
Bend stength:	>100 times
Boiling point:	no any distortion and color change (in the 99 more or less 1 degree water, then cooling 2 hours)
Corrosive:	surface deep in the 5% muriatic acid and 5% NaCL, interior deep in the 2% muriatic acid and 2% NaCL, after 48 hours, no change

## Packing

### Standard export packing as follow:

Plastic film wrapped inside and carton packing. Wooden pallet with steel strip tied.

Buyers can slao choose to pay for wooden case packing, which enables safer and more room saving in loading.

Eye to Wall

Eye to Sky

### parameters of PVDF Coating

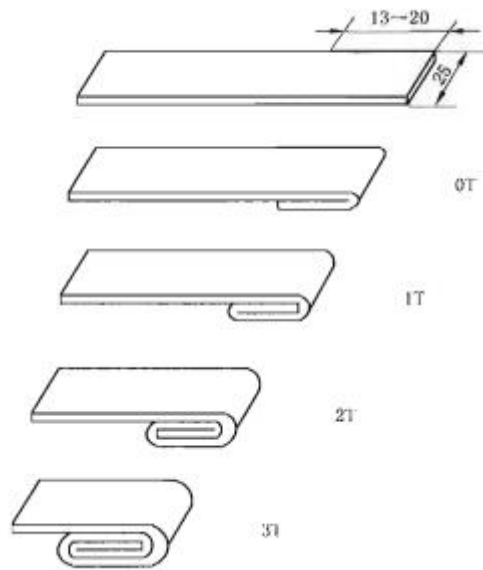
PVDF (KYNAR500 PVDF>70%)

Item	Result	Test standard
Coating thicknesss	≥ 25 μm	ISO 2360 ( CNS

		8406 )
Pencil Hardness	≥ 1H	ASTM D3363
Color Retention	Aging resistance test 4000 hours, maximum 5 units	ASTM D2244
Glossr Retention	Aging resistance test 4000 hours, 90%	ASTM D2244
Chalk resistanc	Aging resistance test 4000 hours, maximum 8 units	ASTM D659
Flexibility( T shape bending )	IT, no crack	ASTM D4145
Adhesiv	1mm×1mm, No peeled off	ASTM D3359
Impact resistance	No crack, no dropout	ASTM D2794
Friction resistance	64.6 L/mil	ASTM D968
Salt spray resistance	3000 hours no change( 5%NaCL,35℃)	ASTM D117
Humidity resistance	3000 hours no change( 100RH35℃)	ASTM D714
Mortar Resistance	No change	ASTM D605
Acid-resistance and alkali-resistance	No change	ASTM D1308
Solvent resistanc	No change MEK 100times	ASTM D2248

**Feather:**

- 1, Material:Pre-treatment material from HenKel &Chemtell from Germany,
- 2, Paint: 70% PVDF from PPG or Valspar;
- 3.Pretreatment: the raw aluminum has to be washed by acid, and chromized. After it is dried out, it will be covered by oxide film to heighten the adhesion.
- 4, Colors: Can do as your requirement We are the first one to pass CTC of national testing certification center of building materials.
5. Good quality for Benting:



6. Polyester coating single coating, one layer, 18 $\mu$ m; double coating, two layers, 25~27 $\mu$ m.  
 PVDF coating: two layers of PVDF coating, at least 25 $\mu$ m, and if required, it will be covered by another layer of varnish, 35 $\mu$ m in total.

**6.Application:**

Application	Exterior applications	wall cladding, facades, roofs and canopies, tunnels, column covers or renovations
	Interior applications	wall cladding, ceilings, bathrooms, kitchens and balconies
	Advertisement and market applications	display platforms, signboards, fascia and shop fronts