



F8, Building B, Feiyang
Technology Park, 8 Longchang
Road, 67 Zone, Baoan District,
Shenzhen City, China
Tel: +86-755-36694381
Fax: +86-755-36694832



Synthetic Flexible Rubber Coating

1. PRODUCT DESCRIPTION

FY-EPD001 is a new type of rubber coating and elastic plastic dip. It is an air dry type of rubberized coating material and can be easily applied to all kinds of material by spraying, brushing or dipping. It is a multi-purpose Elastomer coating,

2. ADVANTAGES

- Quickly make a very soft Elastomer coating layer adhered to almost any materials
- Remains flexible and stretchy over time, and will not crack or become brittle in extreme weather conditions.
- Improved grip, color code, protection against electrical shock
- Stretchy rubber coating remains flexible when applied to wood, glass, rope, dried floral arrangement, clay, or stone, concrete, ceramic, brick, or anything that paint is applied to.

3. RECOMMENDED USES

- Bamboo Protection from moisture and personalized arts and crafts
- Metal or alloy Reduces vibration, deadens sound, prevents corrosion, insulates electrically and from extreme temperatures.
- Foam All kinds of float, lifesaving equipment, prevent water, against light, ultraviolet light.
- Glass Shatterproof glass objects (available in clear).
- Natural stone or artificial stone Make arts and crafts, against corrosion and moisture
- Rope/fabric Weatherproof, prevents rotting and fraying.
- Lawn Personalized painting in nature
- Wood seals and protects from weathering and prevents splinters

- Concrete Warn line, road paint, traffic mark, etc, against corrosion
- Plastic protects delicate surfaces from scratches
- Soft and hard rubber weatherproofs, wear resistant
- All kinds of high-level paper, such

4. TECHNICAL DATA

No.	Property	Level/Data
1	Pigment content(wt)	25%
2	Tensile (ASTM D -638)	3,700 PSI
3	Elongation (ASTM D -638)	400%
4	Cut resistance (ASTM D -1044)	Excellent
5	Stone abrasion (ASTM D -3170)	Good
6	Shelf life	2 years(room temperature)
7	Chemical resistance	acids, alkali
8	pollutants	Good
9	Durometer (ASTM D -2240)	shore A 70
10	Salt spray (ASTM B -117)	Pass 1,000 hours
11	Weatherability (ASTM G -53)	4-5 grade
12	Temperature range for working	-30° F to 200° F. (or -35°C to 93°C)
13	Viscosity range	80~90 KU(room temperature)
14	Permeability (ASTM E - 96)	0.03 grains/sq. ft./hr.
15	Coverage	30 sq.ft. per gallon at 15 mils
16	Dielectric (ASTM D -149)	1,500 v/mil

5. SURFACE PRETREATMENT

- Clear all kinds of oil, grease, dust, wax, loose rust or other dirt from the surface which will be coated by this coating by solvent, water or abstergent. If necessary, sandblast treatments help the material surface to improve its adhesion to this rubber coating.
- Please place some ventilation sets to keep the working environment safe and ventilative since this coating has a slight, no harm smell

5. APPLICATION

Suggestion mix ratio (Base/thinner): 1: 1.5

Application method

- Spraying

- Dip
- Brush

Application process

a). Spray:

A spray gun with pusher or pressure pot may be used (siphon cup not recommended). Recommend Binks gun of model 95 with 63PB needle, or airless spray gun. According to your need, please dilute rubber coating by thinner up to 50% before put it into the gun pot. Suggest make some tests to find the most suitable dilution percentage for perfect spray effect. Mix rubber coating and thinners gently and then put them into the gun pot. Spray the diluted rubber coating on the material surface by several times. Allow 10~20 minutes dry time before next spray. Recommend 6~8 sprays to achieve ideal coating layers.

b). Dip:

Dilute rubber coating by thinner up to 25% as needed, mix them before process and don't cause any air bubbles. Insert the parts into the rubber coating solution by a speed of 1/5 inch per second and make sure all desired surfaces of the parts had been soaked in the solution of rubber coating, and then leave the solution with the same speed. Dip the parts several times to achieve ideal coating thickness (recommend 4~5 times). Allow 10~20 minutes dry time (fell dry to the touch) before next dip.

c). Brush:

Dilute rubber coating by thinner up to 25% as needed, mix them slowly before each use. Brush rubber coating solution on the desired surfaces of your products by a soft natural bristle brush. Allow 10~20 minutes dry time(fell dry to the touch) before next brush and we recommend brush 2~3 times to achieve desired coating thickness.

Recommendation:

- 1). Thinners: special thinner for rubber, Toluene, or their mixture of acetone and naphtha,
- 2). Dry film thickness of 300 mils for best results. Give the coating film 4+ hours dry time after process. Allow overnight drying whenever possible. When using a dip tank, allow 6 inches minimum from fluid surface to tank top to avoid "skinningover". Avoid excessive air movement, heat or humidity. Always use proper ventilation and other protection in workshop

6. PACKAGING

20kg/drum or based on customer's requirement

7. AVAILABLE COLORS

Orange	Gold	Yellow
Magenta	Dark Red	Light Gray
Taupe	Blue	Yellow-Green
Olive	Black	Red
Green	Dark Green	Cyan
Dark Blue	Brown	Bright Green
Light Green	White	Orange
		Magenta