

# Gemini<sup>®</sup> PFPE PCB Conformal Coating PCBC-72X

## [Introduction]

PCB Conformal Coating PCBC-725/7210 are obtained from perfluoroalkyl-modified acrylate. It is for moisture and corrosion protection of PCBs and electronic components. The coating dries to a thin, transparent film with excellent hydrophobic and oleophobic properties. It does not need curing and is easy to apply, remove and repair.

## [Characteristics]

- It can be easy and quick processed
- Excellent water repellency and corrosion prevention
- Rapid drying time 1~2 mins
- Does not harm printed circuits or mounted parts
- None flammable, low toxicity, non ozone depleting
- Higher waterproofing performance than non-fluorochemical coating

## [Typical Properties]

Properties	Units	PCBC-725	PCBC-7210
Solid	Wt%	5	10
Physical State	/	Clear colorless liquid	Clear colorless liquid
Density	g/cm <sup>3</sup>	1.4~1.5	1.4~1.5
Boiling Point	°C	76	79
Flash Point	°C	No flash point	No flash point
Water Contact Angle	°	105	105
Hexadecane Contact Angle	°	65	65
Coating Thickness	µm	0.4~0.7	0.8~1.4
Solvent Chemical Resistance	/	Resists various solvents chemicals	Resists various solvents chemicals

**[Processing Method]**

**Dipping (preferred)**

**Dilute PCBC-72X with solvent (3M 7200 etc.) if needed to achieve various film thickness**

**Clean and dry the base material before processing**

**Soaking the base material for 10 seconds**

**Dry in room temperature for 1~2 mins**

**Others**

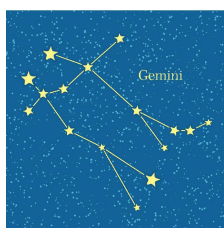
**Spray, selectively deposited**

**[Attention]**

- During processing, avoid direct contact with the skin, using gloves and safety glass in the test. If skin contacts with products, immediately wipe with a dry cloth and then wash skin with soap and water, If eyes contact with products, immediately flush eyes with plenty of water for at least 5 minutes, and call a physician.
- Keep the container sealed and store in cool、well ventilated locations, shelf life 2 years.

**[Packaging/Transport]**

5Kg,20Kg,50Kg plastic jug. Not classified as dangerous in the meaning of transport regulations



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