

Nanopaint Anode-1 Ink

Anode Inks

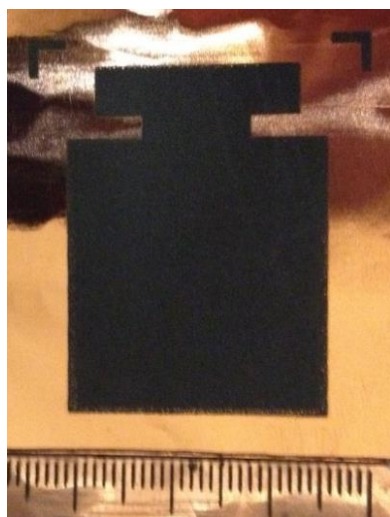
Due to the inherent properties of the Nanopaint Anode ink, there is no need for any specific or expensive post treatment process to activate their properties. It can therefore be processed on aluminium substrate by various techniques:

- Doctor blade printing
- Screen printing

Nanopaint anode ink is easily solubilized in various solvents, showing unique properties such as:

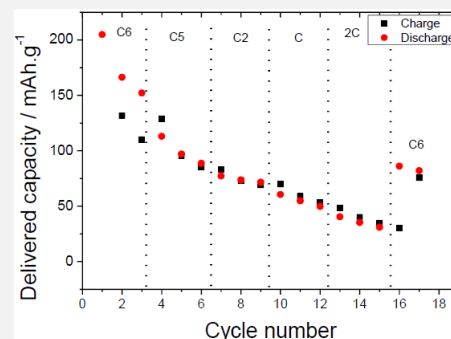
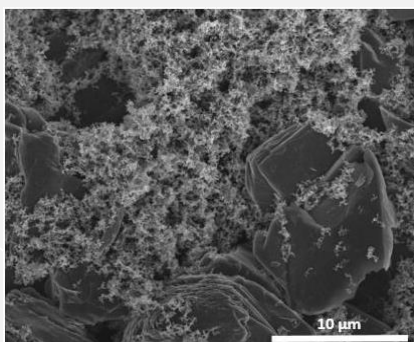
- Low cost solution
- Low material and processing cost
- Tight quality control to ensure reproducibility
- Custom formulation for each printing need.

For a 13-100 µm thickness film by doctor blade:



Instructions:

Place it in a mechanical stirring between 30-60 minutes. The ink is ready to be used. After the printing process, the ink should be cured at 80 °C during 60 minutes.



Properties

| | Unit | Internal tests |
|-----------------------------------|---------|----------------|
| Physical form | | Solution |
| Thermal cure temperature | °C | 80 |
| Cure time | minutes | 60 |
| Viscosity | Pa.s | <15 |
| Max. particle diameter | µm | < 20 |
| Expiration date after opening | Months | 4 |
| Screen Printing properties | | |
| Mesh opening | µm | 102 |
| Mesh count, warp | n/cm | 65 |
| Wire diameter, warp | µm | 52 |
| Tension on mesh | N | 17-20 |