

PRODUCT INFORMATION

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ELEC ME-2

The process of obtaining a functional coating film after coating, drying, or curing a base resin diluted with solvent, such as paint and printing inks, is used in a variety of fields. Conventionally, it is extremely difficult to obtain a good antistatic effect after drying and curing, even if large amount of cationic surfactant is added (graph shown below).

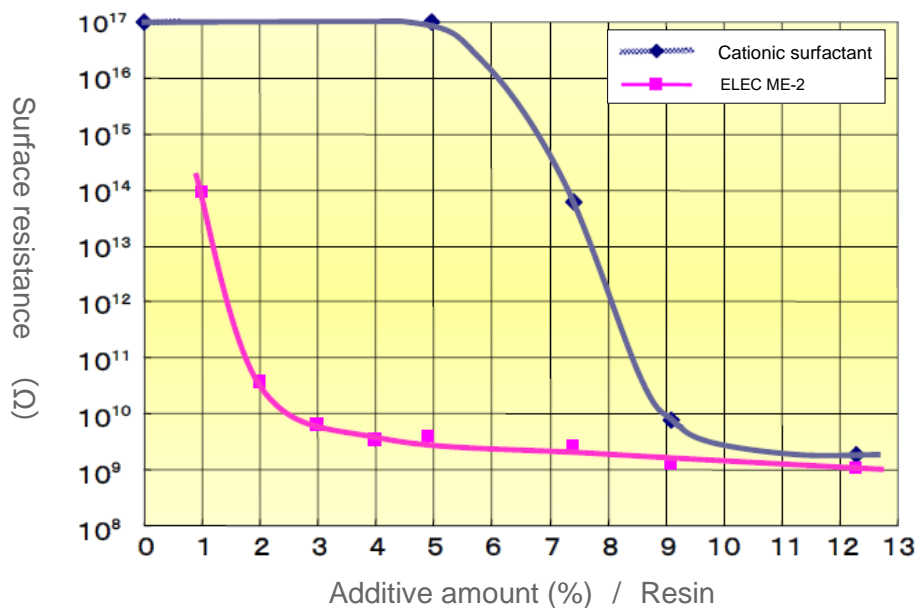
In these solvents, it is necessary for formulated antistatic agent to migrate to the surface by riding on the solvent that diffuses from inside to the surface.

Unfortunately, conventional antistatic agents are difficult to migrate to the surface, and the solution to this was by adding a large amount of antistatic agent.

The newly developed "ELEC ME-2" is unprecedented anionic surfactant that can be used in organic solvent. The anionic nature of the system allows for smooth surface migration due to its high polarity, and it exhibits a good antistatic effect even at low additive amounts.

The figure below shows an example of application to an acrylic isocyanate thermosetting binder resin. Compared to conventional cationic systems, a good antistatic effect is observed at low additive amounts.

Antistatic effect of ELEC ME-2 compared with conventional agent



Composition: Active ingredient 50%

Solvent Benzyl alcohol, Diethylene Glycol Monoethyl Ether