

Antistatic Coating for Films and Sheets

Static electricity is a major hazard in industrial processes and applications. Because polymeric materials are not conductive, they accumulate static electricity that results from friction contact between materials. This can cause films to stick to each other, to tools, machines or other surfaces, pick up of dust, and even sudden discharge of energy in the form of sparks, which can cause explosions and fires.

ST8882WB:

ST8882WB is a waterborne formulation of static-dissipative agents, specifically tailored to prevent charge build-up during the manufacture, processing, packaging, storage and application of plastic films and sheets. Designed to be applied on top of plastic films, sheets and panels, using standard application methods such as spraying, roll-coating, dipping or padding, the formulation acts as a coating or finish, providing long-term static-dissipative activity.

ST8882WB can be used for various products and applications, including food packaging, in building and construction, textiles, raffia, fiber and more.

Advantages:

- Suitable for use with all polymers
- Suitable for use in applications where antistatic MB is either not technologically feasible, such as PET and PS films, trays and lids, or not cost effective, such as thin skin layers in coextruded film
- Acts immediately upon application, including in production
- Can be applied using various application methods
- Delivers long-term antistatic activity
- Complies with all relevant regulations related to food packaging, including those of the FDA and EU
- Stable formulation with long pot life (no sedimentation and/or phase separation)
- Completely free of organic solvents, so creates no related VOC or flammability issues
- Safe (completely waterborne)

Dosage recommendations:

- Recommended loading level is 0.05-0.5 g m⁻² of the active content on top of the substrate

APPLICATIONS



Food Packaging



Building and
Construction



Textile, Raffia and Fiber

ADVANTAGES



Applicable to All
Polymers



Immediate Action



Long-Term Antistatic
Activity



Safe
(Completely Waterborne)

