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GreenCoat – a new low-cost, environmentally-friendly, hydrophobic polymer nano-composite material, which is oil, fat, and gasoline resistant, strong, recyclable, biodegradable and dramatically improves the properties of paper and board packaging materials.

GreenCoat improves the low barrier properties of cellulose-based materials by coating them with a special polymer composition. Any cellulose material coated with GreenCoat is recyclable and biodegradable – just like any ordinary paper or paperboard and can also be included into pulp composition.

GreenCoat Applications

- **Everyday Items** - Trash bags, grocery bags, cups, plates, tablecloths and other household goods, etc.
- **Packaging Materials** - Paper boxes and other types of packaging, bags, cardboard boxes and containers for industrial products, building materials, chemicals, etc.
- **Agricultural Use** - Composting bags for agricultural waste, bags for fertilizers, mulch sheets, flowerpots, seeding planter trays, etc.
- **Textile and Polymer Industry** - Hydrophobizing of natural textile materials, production of synthetic leather, etc.
- **Other Applications** - Paperboard, filler binding, paper sizing, printing compositions, etc.

GreenCoat Advantages

- **High Strength** - Tensile strength of 40-60 MPa
- **Water Resistant**
- **Grease and Oil Resistant**
- **Recyclable** - NTI has also developed a new recycling technology, which produces a micro-fiber that can be used as a component of new packaging.
- **Biodegradable**
- **Low Cost**
- **Harmless** - Environmentally-friendly and FDA approved.

Manufacturing & Sales

NTI and its research partner Polymate, Ltd. have begun commercial scale production of GreenCoat in Israel, commenced placing orders with several major European paper packaging and chemical manufacturers and is now searching for strategic partners and customers in the U.S. and Canada.

Nanotech Industries, Inc (NTI) is a “green” technology holding company focusing on the commercialization of market-ready nanotechnologies developed in Israel, which provide cutting edge environmental engineering solutions of advanced and novel materials for markets throughout the world.