

Neo-Advent Technologies Capabilities and Technology Platforms in the Area of Specialized Coatings

Technology	State of Development	Funding	Description
Anti-Fog Coating	Formulation optimization and prototype device manufacturing	SBIR Phase II, Center for Disease Control, completed	Robust super-hydrophilic system developed for the protective goggles
Ultra-Low Water Barrier Coating	Prove of principle to concept development	SBIR Phase I, National Science Foundation, completed 2008. Internally funded R&D project	Hybrid sol-gel polymers with superior hydrophobic properties
Barrier Coating	Prove of principle to concept development	SBIR Phase I, Department of Energy. Completed 2007. Internally funded R&D project	Hybrid sol-gel system developed for the solar panels
Super-Hydrophobic Coating	Early R&D. SBIR Phase I proposal secured letter of support from Bell Helicopter	Internally funded R&D project	An innovative approach based on the novel fluorinated polyurethanes
Scratch-Resistant Coatings	Advanced product. Available for testing. Out-licensing opportunities	Internally funded R&D project	Hybrid sol-gel system. Optically clear coatings, >3H hardness, strong adhesion to many plastics and metals
No-VOC coating	Prove of principle	Exploring funding and partnership opportunities	New generation of the vinyl-dioxolane system to address major limitations of existing polymers and leverage prior work funded by various branches of DOD

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