



ENABLING THE NEXT GENERATION OF CONTINUOUS-CLEANING SURFACES

OEM Integration Opportunities
with TiCoat[®] + NYACOL

TiCoat, Inc.

Always Cleaning. All the Time.™



NYACOL[®]
NANO TECHNOLOGIES, Inc.

Why OEMs Are Exploring Continuous-Cleaning Surfaces



HIGHER MAINTENANCE COSTS

Labor and cleaning costs continue to rise.



LOWER-TOXICITY ENVIRONMENTS

Customers demand safer, cleaner indoor spaces.



ESG & IAQ PRESSURE

Procurement teams prioritize sustainability.



PREMIUM PRODUCT DIFFERENTIATION

OEMs need smarter, higher-value surface solutions.

OEMs are under pressure to deliver surfaces that do more — with less labor, fewer chemicals, and greater long-term value.



A Surface Technology That Continuously Works Between Cleanings

TiCoat[®] uses visible light, oxygen, and moisture to continuously break down organic matter, odors, and VOCs.



1

VISIBLE LIGHT

Activates the TiCoat[®] surface.



2

TICOAT[®] ACTIVATION

Generates reactive species on the surface.



3

ORGANIC BREAKDOWN

Pollutants, odors, and VOCs are broken down.















4

CLEANER SURFACES

Stay cleaner longer between cleanings.

Works continuously under everyday visible light.

Why TiCoat[®] Is Different

	CONVENTIONAL COATINGS	ANTIMICROBIAL ADDITIVES	TICOAT [®] TECHNOLOGY
PERFORMANCE	 Passive	 Limited lifespan	 Continuous visible-light activation
FUNCTION	 Cosmetic only	 Primarily bacteria-focused	 Breaks down organics & VOCs
SUSTAINABILITY	 None	 Limited	 Supports ESG, IAQ and sustainability goals
COMMERCIAL VALUE	 Commodity	 Narrow use case	 Premium differentiator & high-value feature



TiCoat[®] transforms surfaces from passive materials into active performance assets.



Designed for Flexible OEM Integration

TiCoat® technology can be incorporated into a wide range of materials and processes with minimal disruption to existing manufacturing and finishing workflows.



TiCoat® integrates into existing manufacturing and finishing workflows with minimal disruption.

Measurable Value for OEMs.

TiCoat[®] delivers real-world benefits that enhance product performance, reduce total cost of ownership, and strengthen your competitive edge.



LONGER LASTING PRODUCTS

TiCoat[®] protects surfaces from dirt, stains, and degradation—extending product life and performance.



LOWER MAINTENANCE COSTS

Easier-to-clean surfaces reduce cleaning frequency, labor, and lifecycle costs for end users.



DIFFERENTIATE YOUR PRODUCTS

Offer superior performance and surface protection your competitors can't—driving stronger market positioning.



SUPPORT SUSTAINABILITY

Contribute to greener buildings and healthier spaces with long-lasting surface protection.



REDUCE RISK

Minimize callbacks, warranty claims, and liability related to staining, discoloration, and surface damage.



STRONGER CUSTOMER SATISFACTION

Deliver products that look better, perform longer, and exceed customer expectations.



Better performance. Lower costs. Happier customers. Stronger brands.
TiCoat[®] helps OEMs win at every stage.



Measurable Field Performance.

TiCoat[®] delivers proven results in demanding real-world conditions.

REAL-WORLD VALIDATION: CEMENT SURFACE



BEFORE

Freshly Power Washed



AFTER

6+ Months Later

Top (dirty) NOT treated with TiCoat[®]. Bottom (clean) protected with TiCoat[®].

PERFORMANCE AFTER 6+ MONTHS



SIGNIFICANTLY LESS DIRT & STAINING

Treated surface remains visibly cleaner with minimal staining.



SUPERIOR WATER REPELLENCY

Water beads and rolls off, helping prevent moisture absorption and staining.



MAINTAINS CLEAN APPEARANCE

Surface retains a clean, well-maintained look with minimal upkeep.



LONG-TERM DURABILITY

Proven protection that endures real-world exposure over time.



Real surfaces. Real conditions. Real results.

TiCoat[®] delivers measurable performance you can count on.



Simple Process. Powerful Results.

TiCoat® technology is easy to integrate and delivers lasting performance with minimal disruption.



Easy to Implement. Built to Last.

TiCoat® technology integrates seamlessly into existing workflows with minimal downtime and maximum impact.



Minimal Downtime



Works with Existing Equipment & Processes



Durable, Long-Lasting Performance



Rapid Return on Investment



TiCoat® technology makes it easy to achieve cleaner, safer, and more sustainable surfaces—without changing the way you work.



Sustainable Technology for a Cleaner Future

TiCoat® technology helps create healthier indoor environments while supporting global sustainability goals.



REDUCES ENVIRONMENTAL IMPACT

Breaks down pollutants and VOCs, reducing indoor air pollution and contributing to a healthier planet.



LOWER CHEMICAL FOOTPRINT

Enables reduced use of harsh cleaning chemicals, conserving resources and minimizing waste.



SUPPORTS ESG & IAQ GOALS

Helps organizations meet environmental, social, and governance objectives and improve indoor air quality.



LONGER LASTING CLEAN

Surfaces stay cleaner longer, reducing the need for frequent cleaning and associated resource consumption.



BETTER FOR PEOPLE & COMMUNITIES

Creates cleaner, healthier spaces for occupants, supporting well-being and productivity.



Built for Partnership. Ready for Commercialization.

NYACOL partners with OEMs at every stage—from concept to full-scale rollout.



1

DISCOVER & ALIGN

- Understand your product, performance goals, and market needs
- Explore how TiCoat® can create measurable value in your applications



2

PILOT & VALIDATE

- Collaborate on pilot testing in your materials and processes
- Evaluate performance in real-world conditions and against key metrics



3

DEVELOP & INTEGRATE

- Optimize TiCoat® formulation and application for your manufacturing environment
- Confirm integration compatibility and scalability



4

QUALIFY & PREPARE

- Support qualification testing and documentation
- Align on specifications, QA requirements, and supply readiness



5

ROLL OUT & GROW

- Support initial production launch and market introduction
- Provide ongoing technical support and continuous improvement



Your Success. Our Commitment.

We provide the technical expertise, proven technology, and dedicated support to help you bring better, longer-lasting products to market—faster.



DEDICATED PARTNERSHIP

A collaborative team focused on your success.



PROVEN TECHNOLOGY

TiCoat® is validated, scalable, and ready for OEM integration.



SCALABLE SOLUTIONS

Built to grow with your business and market needs.

From pilot to production, NYACOL is the partner you can count on.
Let's build better, longer-lasting products—together.



Versatile Solutions. Limitless Possibilities.

TiCoat® technology is trusted across a wide range of industries and applications to deliver cleaner, longer-lasting surfaces.

INDUSTRIES WE SERVE



COMMERCIAL REAL ESTATE

Enhance building appearance, reduce maintenance, and improve occupant satisfaction.



HEALTHCARE

Support infection prevention and create cleaner, healthier environments for patients and staff.



TRANSPORTATION & TRAVEL

Maintain high-traffic spaces with fewer resources and a better passenger experience.



RETAIL

Deliver spotless, welcoming spaces that strengthen brand image and drive customer loyalty.



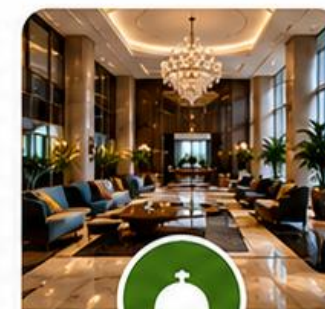
EDUCATION

Create safer, healthier learning environments while reducing cleaning costs and downtime.



INDUSTRIAL & MANUFACTURING

Protect surfaces, improve safety, and extend the life of critical assets and facilities.



HOSPITALITY

Elevate guest experiences with immaculate surfaces that stay cleaner, longer.



From everyday spaces to the most demanding environments, TiCoat® technology delivers measurable results that matter.



Explore OEM Integration Opportunities with TiCoat®

Partner with NYACOL to create better, longer-lasting products and deliver measurable value in the real world.

Let's build the next generation of high-performance, easier-to-clean solutions—together.



PILOT PROGRAMS

Test TiCoat® in your materials and processes with real-world support.



TECHNICAL COLLABORATION

Work with our experts to optimize performance and ensure seamless integration.



MATERIAL INTEGRATION

Integrate TiCoat® into your products with proven compatibility and scalability.



COMMERCIALIZATION PARTNERSHIPS

Bring differentiated, high-performance products to market—faster.



Let's Build What's Next.

NYACOL is ready to support your success from pilot to production and beyond.



CONTACT US TODAY

Let's start a conversation about your goals and how TiCoat® can help.



CALL US

(508) 881-2220



VISIT US

www.nyacol.com



Proven technology. Dedicated support. Shared success.

Let's create the future—together.



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