

# Self-clean Air & Surface EDT

## Environmental Decontamination Technology

### Material Specifications:

Product Name	:	<b>NANOYO™</b> (Titanium Dioxide Photocatalytic Oxidation)
Origin	:	Japan
Category	:	Nano TiO <sub>2</sub> Mixture
CAS No.	:	13463-67-7
Reactivity	:	Non- Hazardous Material
Composition	:	Titanium Dioxide (2-3 nm) 0.5 % Isopropyl Alcohol 4.0 % Water 95.5%
Special Note	:	Binder free, Polymer free, Non Toxic
Characteristics	:	Colourless Odourless Long lasting effects 24/7/365
UV Absorbency	:	89%
Operating Light	:	250-800nm Bandwidth
Description	:	A water-based solution of pure 2 - 3nm Titanium Dioxide (TiO <sub>2</sub> ) that is colourless and odourless. TiO <sub>2</sub> coating will activate in the presence of visible light to oxidise organic compounds and VOC's.
Application Methods	:	Ultra-fine HVLP spray gun, Electrostatic Spray Trigger Spray (Fine) & Micro Fibre cloth, Roller/Brush
Functions	:	Anti- Bacteria, Anti- Virus and Protection, , Anti-Odour, Anti- Static, Air Purification & VOC's Reduction, Self Cleaning , UV Absorbent & Water Purification
Unique Features	:	Ultra strong bond, Withstands normal cleaning procedures
Suitable Substrates	:	See over
Directions	:	Pre clean surface and allow to fully dry. Apply an ultra fine mist- like coating and leave to dry before use (30sec - 1 minute) Reapply on high traffic areas as and when necessary. Guaranteed for 3 years (subject to routine cleaning) when applied by our trained and licensed technicians using specialist Electrostatic spraying equipment. (No detergents needed after application - only water)

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### Some Suitable nanoYo™ Applications



Substrates		Finishes	Commonly used for
Metals	Aluminum	Polished, Anodised, Coated, Painted or Plated.  *Not on bare steel.	Furniture, Cabinets, Windows, Building Facade, Transportation and various decorative finishes.
	Steel		
	Brass		
	Copper		
Timber	Solid Timber	Unpolished, lacquered, natural-oils (shellac) or painted. Untreated	Doors, furniture, cabinets, window fixtures, flooring, wall panels, ceilings, trimming and architectural fittings (wall covering, blinds and décor).
	Veneer		
	Plywood		
	Medium/High density fibre boards (H/MDF) etc		
Plastic	Acrylic	Polished, coated and painted.	Curtain fabrics, flooring, trimming, primers/ sealers, solid tops, furniture, panelling, transportation, equipment, computers, window frames, architectural fittings (wall covering, blinds and décor) and numerous personal items.
	Silicon		
	Polyester PVC		
	(Vinyl) PP		
	PETG Phenolic		
	Nylon		
	Synthetic Rubber		
	PU Polycarbonate		
Stone	Concrete	Bare, polished, coated, glazed and painted.	Infrastructure, flooring, wall panel, solid tops, architectural décor and sanitary ware.
	Granite		
	Natural Marble		
	Compressed Marble		
	Flagstone (Sandstone)		
	Grout		
	Mosaic (Glass) Tiles		
	Silestone/ Caesarstone		
	Slate		
	Ceramic		
Brick			
Fabric/Textile	Sheets	Cotton, Denim, Nylon, Leather etc Do not soak - spray apply only Test on materials you are unsure of before treating.	Self cleaning clothing and garments. Ideal for Hospitals, care homes and clinics etc!. Mobile "air purification" on clothing!
	Blankets		
	Pillows		
	Curtains		
	Uniforms		
	Carpets		
	Leather		