



PROFESSIONAL PLASTICS

VINYL GUARD®

Easy-to-apply, long-lasting covering for industrial conveyor rollers and skatewheels



Straight & Tapered Roller Covers

Skatewheel Covers

VinylGuard Roller Covering

VinylGuard breakthrough heat shrink-to-fit technology and advanced high-performance PVC conveyor roller and skatewheel covering material

Request a SAMPLE

VinylGuard Specifications

- Standard VinylGuard roller cover sleeves are **50 mils (nearly 1/16 inch) thick**
- We can manufacture custom conveyor roller covers in **thicknesses up to 100 mils (1/10 inch)**
- VinylGuard conveyor roller covers are long-lasting — a full **85 durometer hardness**
- VinylGuard covers for material handling equipment have been load tested and **proven to last millions of cycles, thousands of hours**
- Tough, thick VinylGuard conveyor roller covers **protect delicate surfaces** from the damage caused by uncovered metal conveyor rollers



Securely Conforms to Tapered Rollers

VinylGuard Covers for Conveyor Rollers

Long-lasting, heavy-gauge, flame retardant conveyor roller covers are abrasion, cut-through and chemically resistant and shrink to fit both straight and tapered industrial conveyor rollers on material handling equipment



VinylGuard Covers for Skatewheels

The same durable, heavy-gauge VinylGuard material for conveyor roller covers is pre-cut into pieces which will tightly shrink over skatewheels in just seconds.

- With a 3,000 psi tensile strength, VinylGuard tightly grips the skatewheel's face and edges and will never slip off
- VinylGuard shrink-to-fit skatewheel covers eliminate the need for molded or 'glued-on' skatewheel covers

- VinylGuard roller sleeves are custom-engineered for **high performance and long service life** in harsh, industrial manufacturing environments and highly corrosive areas
- VinylGuard shrink-to-fit roller covers have **excellent resistance to chemicals**, oils, grease, acids, chlorinated cleansers, salt, salt water, moisture, fungus and corrosion
- Non-marking VinylGuard covered rollers **will not stain, rust, crack or peel** and are **easy to clean**
- VinylGuard's Food-Grade USDA 21CFR conveyor roller covers for **Food-Grade material handling equipment** systems comply with stringent United States Food and Drug Administration's requirements for indirect contact with food
- VinylGuard roller sleeves are **flame retardant, lead-free, RoHS compliant, environmentally friendly and safe** and contain **no hazardous materials**

VinylGuard Technical Data

Minimum Recommended Shrink Temperature: 100°C (212°F)

Operating Temperature Range: -20°C to 105°C (-4°F to 221°F)

Tensile Strength: 3,000 psi

Durometer: 85 Durometer Shore A

Storage: Heat sensitive — Store at 70°F or below

- VinylGuard roller covers are made in the USA from the finest premium-grade, 100% virgin materials
- VinylGuard roller covers are flame retardant
- VinylGuard roller covers are Lead-Free and RoHS compliant
- VinylGuard conveyor roller and skatewheel covers for Food-Grade material handling equipment comply with the Food and Drug Administration's USDA 21CFR requirements for indirect contact with food

Food-Grade VinylGuard for Conveyor Rollers and Skatewheels

Complies with the Food and Drug Administration's requirements for food-grade material handling equipment.



Standard Colors (Custom colors available upon request)

4 Standard Colors for Conveyor Roller and Skatowheel Covers:



2 Standard Colors for Food-Grade USDA (21CFR) Conveyor Roller and Skatowheel Covers:



[Back to Top](#)

Standard Sizes (Other sizes available upon request)

Standard size VinylGuard conveyor roller and skatowheel covers shrink to fit and tightly conform to the most popular sizes of conveyor rollers and skatowheels used in industrial conveyor systems

Straight Rollers

Outside Diameter of
Conveyor Roller:
1.375" 1.9" 2.0" 2.5"

Tapered Rollers Outside

Diameter of Conveyor
Roller: **WIDE END 2.5"**
**TAPERED END 1.5" up to
2"**

Skatowheels

All skatowheel covers
are sized for an industry standard
**5/8" wheel face width WHEEL
DIAMETER 1.5" 1-15/16" to 2"**

VinylGuard is specifically engineered to provide thick, rugged, long-lasting roller coating protection for ALL rollers on powered and unpowered conveyor systems

- VinylGuard roller sleeves **quickly and easily shrink** over straight rollers as well as tapered rollers and skatowheels, when heat is applied
- **No special tools, lengthy pre-heating, lubricants, compressed air, epoxies or glues** are needed to secure VinylGuard to conveyor rollers
- 100 ft. continuous length spools of VinylGuard **minimizes cut-to-length scrap**
- Heavy cutting tools are unnecessary – **simply use a scissors to cut** lengths of VinylGuard, which thickens during shrinking

VinylGuard industrial roller covers have been designed and tested for durability and longevity and will last thousands of hours & millions of cycles

- Tough VinylGuard conveyor rollers covers have been **tested for over 1 million operating cycles** on material handling equipment with NO measurable wear or degradation
- VinylGuard **tightly adheres without epoxies and glues** so VinylGuard roller covers can be quickly and **easily removed** and replaced without damaging the rollers
- VinylGuard roller covers are **highly resistant to chemicals**, oils, grease, acids, chlorinated cleansers, salt, salt water, moisture, fungus and corrosion
- VinylGuard roller covers are **easy to clean, non-marking and will not stain, rust, crack or peel**
- **Tough, long-lasting, abrasion-resistant** VinylGuard roller covers will protect even the most delicate materials from scratches and damage



VinylGuard's cushioning, shock absorbing covering system for 1.9"–2.0" rollers prevents abrasion and damage to delicate surfaces and finishes and significantly reduces noise and vibration.

- 1/4" thick nitrile butadiene foam rubber cushions weights of up to 40 pounds per square inch – A 10-inch roller supports loads of up to 400 pounds over its full weight
- Custom diameter-sized VinylGuard shrinks down to secure and protect the foam rubber
- Closed-cell construction foam rubber won't absorb or transmit moisture or liquids used for sanitary wash-downs and maintenance
- Trims to fit any length roller with minimum scrap waste

NOTE: A minimum of 5/8" spacing between rollers before applying is required



TractionPlus™ high coefficient of friction elastomer material provides maximum traction for a non-slip conveyor roller surface

- 10X the coefficient of friction of metal conveyor rollers
- 2X the coefficient of friction of polyurethane covered rollers
- Heavy-duty, long lasting, 60 mils thick covering, cushions and protects products and keeps them moving along, especially on inclines

We manufacture Food-Grade USDA (21 CFR) VinylGuard roller sleeves for conveyor rollers which comply with the Food and Drug Administration's requirements for indirect contact with food

VinylGuard's unique high-performance roller and skatewheel covers are the answer to many material handling equipment problems

PROBLEM:

Scratched, nicked, dinged, damaged surfaces including wood, glass and fine finishes

VINYLGUARD SOLUTION:

Heavy-duty VinylGuard quickly and easily shrinks over metal conveyor rollers to protect wood, fragile glass and other delicate surfaces from the damage caused by rubbing against abrasive bare metal during production and material handling

PROBLEM:

Products easily damaged or broken by repeated shocks, bouncing and vibration

VINYLGUARD SOLUTION:

Apply VinylGuard's cushioning, shock absorbing, bounce dampening, roller covering system over metal rollers

- Slide a sleeve of 1/4" thick, cushioning, shock absorbing, high-compression nitrile butadiene foam rubber over a 1.9"– 2.0" metal roller to cushion weight of up to 40 pounds per square inch
- Shrink custom diameter-sized VinylGuard over the foam rubber for a long-lasting, abrasion resistant, protective covering

NOTE: A minimum of 5/8" spacing between rollers before applying is required

VINYLGUARD SOLUTION FOR FOOD-GRADE APPLICATIONS:

Food-grade USFDA (21 CFR) VinylGuard, for food-grade material handling equipment, is impervious to chlorinated cleansers and easy to wipe down and clean

VinylGuard's cushioning, shock absorbing roller covering system, with closed-cell foam rubber construction, will not absorb or transmit moisture or liquids used for sanitary wash-downs and maintenance

PROBLEM:

Conveyor rollers have little traction and cannot grip cardboard, glass, wood etc., which slip and slide, especially on inclines

VINYLGUARD SOLUTION:

TractionPlus™ radiation cross-linked elastomer roller covering with a high coefficient of friction — the force that holds things together — provides maximum traction for a non-slip roller surface

- 10X the coefficient of friction of metal conveyor rollers
- 2X the coefficient of friction of polyurethane covered rollers

TractionPlus™ quickly and easily shrinks over metal conveyor rollers. Long-lasting, 60 mils thickness protects and cushions products on material handling equipment and keeps them moving

Harsh, unpleasant noise and vibration produced by metal conveyor rollers on industrial conveyor systems

VINYLGUARD SOLUTION:

50 mils up to 100 mils thick VinylGuard reduces clatter, banging, rattling and ringing and eliminates vibration. VinylGuard conveyor covers are engineered to provide a thick, long-lasting, abrasion and chemically resistant roller coating which significantly reduces noise and dampens the vibration of metal rollers on high speed conveyor systems

PROBLEM:

Degradation of conveyor system rollers and skatewheels in caustic, wet, dirty industrial environments

VINYLGUARD SOLUTION:

VinylGuard shrink-to-fit conveyor roller and skatewheel covers are highly resistant to chemicals, oils, grease, acids, chlorinated cleansers, salt water, moisture and fungus

- Non-marking VinylGuard roller sleeves will not stain, rust, crack or peel
- VinylGuard roller covers are easy to clean and long-lasting

PROBLEM:

Damaged PVC conveyor rollers

VINYLGUARD SOLUTION:

Quickly and easily renew PVC conveyor rollers with VinylGuard shrink-to-fit roller sleeves

- Simply remove the damaged roller from the conveyor channel frame
- Quickly shrink a sleeve of VinylGuard over the old PVC roller
- Replace the roller in the conveyor channel frame

www.professionalplastics.com

sales@proplas.com

USA (888) 995-7767 – Singapore +65 6266-6193 – 台湾 Taiwan +886 (3) 5357850