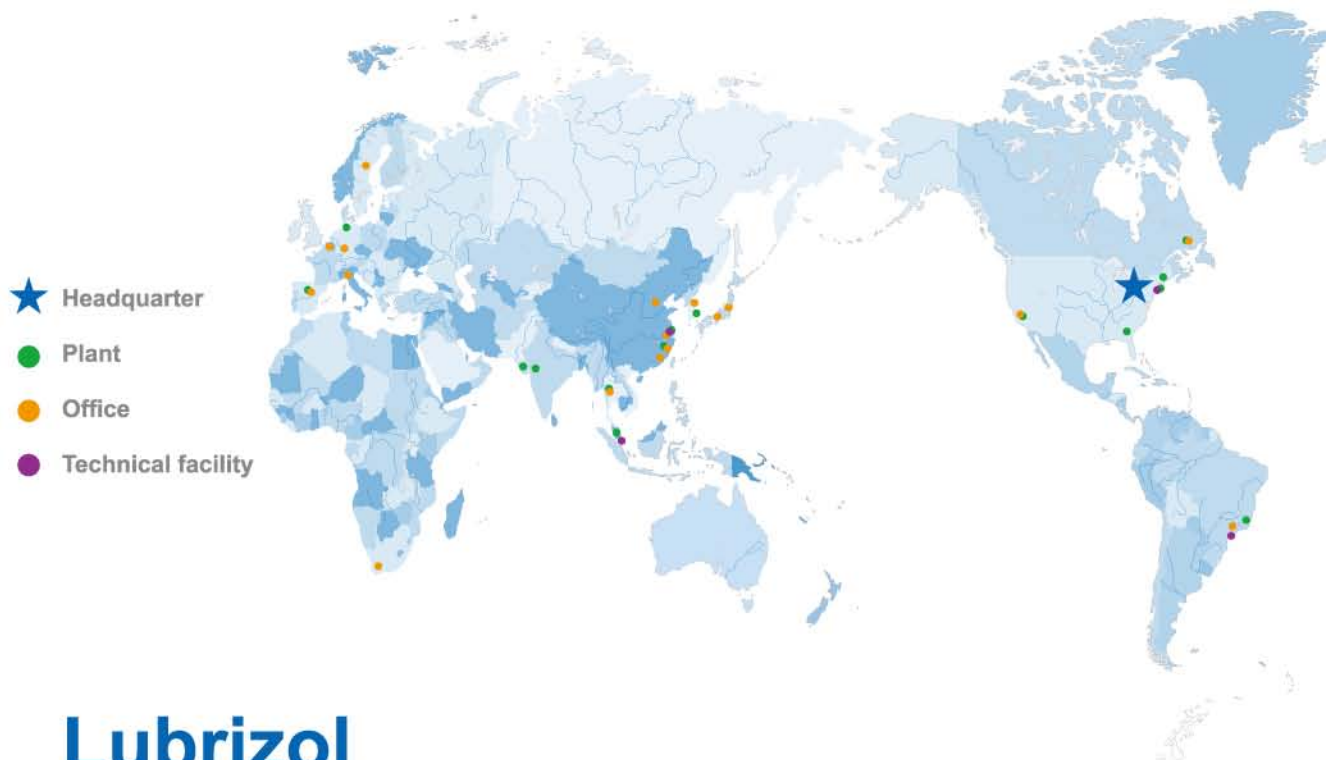




WATER-BASED TEXTILE COATINGS INNOVATOR

TEXTILE COATINGS



Lubrizol

Lubrizol, a multinational specialty chemical manufacturer headquartered in Wickliffe, Ohio, USA, is composed of two parts: Lubrizol Additives and Lubrizol Advanced Materials.

Born in 1928, Lubrizol has already set up its manufacturing sites, offices and technical facilities in over 20 countries and regions. In 2006, Lubrizol has achieved its sales turnover over 4.04 billion US\$, with 6,800 employees working for it.

Textile Coatings provides water-based compounds and latex products under the trade names

- Myflam® Flame Retardancy Series
- Permax™ Multi-functional Series
- Sancure® PUD Series
- Hycar® Acrylic Series
- Vycar® PVC Series
- Printrite® Digital Printing Series
- Hystrech® Super Soft Handle Series

Lubrizol Advanced Materials - Textile Coating Team



Lubrizol Advanced Materials - Textile Coating Team (former Noveon Textile Coating Team) have many years' experience in providing tailor-made water-based compounds and providing solutions for customers. Currently, the Asia Pacific Textile Coating Team bases its manufacturing sites, offices and technical facilities in Shanghai PRC.

Having a wide range of applications including home furnishing fabrics, multi-functional apparels, auto interiors and technical textiles, LZAM has solid knowledge in polymerization and compounding allowing itself to provide customized products based on different performance requirements as well as of having an intimate knowledge of application techniques and machinery.

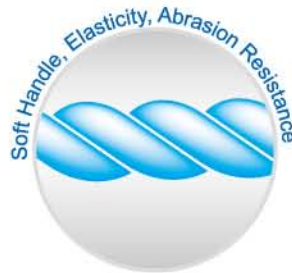
Having confidence in a strong and growing Chinese market, we are investing the Phase II construction project for a larger scale manufacturing site in Songjiang Shanghai China where we will have both compound manufacture and a new acrylic polymerization plant... With its operation in 2008, we will provide more products and service in this industry.

Upholstery Coating Series



Performax[®] 72000 / Myflam[®] 82000 series products are water-based textile coating compounds specially developed for upholstery back coating. With its main components of acrylic and PUD, it can provide last soft handle and excellent abrasion resistance to mattress and upholstery, both for foamed coating and non foamed coating.

Performax[®] 72000 / Myflam[®] 82000 series products can be widely applied for dacron fabric, nylon fabric, rayon fabric, acrylic fabric, cotton fabric and other blended fabric. They are also suitable for different weaving structures like oxford, chenille, suede and pongee bonding interlock.



Main Application

- Upholstery
- Mattress

Features

- Flame Retardancy
- Both for foamed coat and non foamed coat
- Tear resistance
- Dimensional stability
- Abrasion resistance
- Special handle
- UV resistance
- Dry cleaning and wash durability

Blinds/ Drapery Coating Series



Performax® 71000 / Myflam® 81000 series products are water-based textile coating compounds specially developed for blinds and drapery back coating. With its main components of acrylic and PUD, it can provide fabric with excellent black out performance, special hand and good abrasion resistance for both foamed coat and non foamed coat.

Performax® 71000 / Myflam® 81000 series products can be widely applied for dacron fabric, rayon fabric, cotton fabric and other blended fabric. They are also suitable for different weaving structures like oxford, suede and jacquard.



Main Application

- Black out curtain
- Blinds
- Drapery

Feature

- Black out
- UV resistance
- Cold-flex
- Special handle
- Flame retardancy
- Dimensional stability
- Dry cleaning and wash durability
- Environmental friendly-clean production, low formaldehyde, low VOC

Outdoor Fabrics Coating Series



Performax® 75000 series products are water-based textile coating compounds specially developed for outdoor fabrics back coating. It has diversified itself by using different resins like PUD and acrylic components to satisfy multi-functional requirements for fabrics, like abrasion resistance, cold-flex, anti-yellowing, breathable, and so on.

Performax® 75000 series products can be widely applied for dacron fabric, nylon fabric, rayon fabric, acrylic fabric, polypropylene fabric, and other blended fabrics. They are also suitable for different weaving structures like oxford, taslan, taffeta.



Main Application

- Soft-sided luggage
- Tent
- Tarpaulin
- Other outdoor fabrics, like vehicle covers, awning, and so on

Feature

- Abrasion resistance
- Tear resistance
- Yarn bonding
- Stiff hand
- Yellowing resistance
- Environmental friendly-clean production, low formaldehyde, low VOC

Auto-Interior Fabrics Coating Series



Performax[®] 74000/ Myflam[®] 84000 series products are water-based textile coating compounds specially developed for auto-interior fabrics back coating. With its main components of acrylic and PUD, it can provide fabric with special hand and good abrasion resistance for both foamed coat and non foamed coat, and can design to pass various tests for flame retardancy, no foggy, seat and door forming.

Performax[®] 74000/ Myflam[®] 84000 series products can be widely applied for dacron fabric, polyamide fabric, acrylic fabric, and leather.



Main Application

- Upholstery fabrics for vehicles

Feature

- Flame retardancy
- Seam slippage
- Dimensional stability
- Solvent resistance
- Abrasion resistance
- Moldability via heat or pressure
- Special hand
- designed to pass various tests for flame retardant, no foggy, seat and door forming
- Environmental friendly - clean production, low formaldehyde, low VOC

Construction & Geotextile Coating Series



Performax® 70000 series products are water-based textile coating compounds specially developed for construction & geotextile back coating. It has diversified itself by using different resin like PUD and acrylic components to satisfy multi-functional requirements for fabric, like tear resistance, super adhesion, and alkaline resistance.

Performax® 70000 series products can be widely applied for dacron fabric, nylon fabric, fiberglass scrim, non-woven fabric, and other blended fabrics.



Main Application

- Woven fiberglass
- Geo-grid
- Polyester scrim
- Fiberglass scrim
- Geotextile
- Fiberglass wall covering cloth
- Felt substrate

Feature

- Enhance adhesion strength for non-woven fabric
- Enhance mechanical strength for PVC substrate
- Enhance peeling strength for PVC and substrate
- Dimensional stability
- Alkaline resistance
- Flexibility
- Tear resistance



Breathable Coating Series

Permax™ breathable series products are water-based textile coating compounds. On account of its main component aliphatic polyether PUD, it endows fabric with high moisture vapor transmission system.

Permax™ series products can be widely applied for dacron fabric, nylon fabric, cotton fabric and other blended fabrics. They are also suitable for different weaving structures like oxford, pongee, taslan, and taffeta.

Permax™ water based polyurethane adhesive used as hydrophilic tie coat for TPU film. It has excellent adhesion to polyester, nylon and cotton. It has also been used to bond TPU films to polypropylene fibers.



Main Application

- Military apparel, fire-fighting apparel, and other special apparels
- Sportswear
- Safe and protective apparels
- Sleeping bag
- Sanitary apparels, and other articles

Feature

- Clean production, no cosolvent in the whole production process
- High moisture vapor transmission
- Good bonding
- High static hydraulic pressure
- Anti-contamination, oil, and Bacterium
- Yellowing resistance
- Durable handle
- Washable

Digital Printing Fabrics Coating Series



PrintRite® DP series products are water-based textile coating compounds specially developed for digital printing fabrics back coating. It applies PUD latex as its main component, and provides fabric with properties as special hand.

PrintRite® DP series products are suitable for various ink like solvent ink, water-based ink, cost saving ink, and UV-light solidify ink, and can customize products based on different requirements.



Main Application

- Advertisement banner
- Outdoor advertisement facilities
- Canvas duplicate
- Decorative fabrics at home
- Non-woven packing sheet

Feature

- High color gamut
- Heat stability
- Good adhesion to fabric
- Light stability
- Yellowing resistance
- Dimensional stability
- Glossy
- Special Hand
- No seepage

Non-woven Adhesive Series



Hycar® / Vycar® series products are water-based adhesive specially developed for non-woven fabrics. It applies PVC and acrylic latex as its main component, and provides fabric with properties as abrasion resistance, flame retardancy, anti-microbial, hydrophile/ hydrophobic, solvent resistance, and so on.

Hycar® / Vycar® series products can widely applies for dacron fabric, nylon fabric, rayon fabric, polypropylene fabric, glass fiber and other blended non-woven fabrics, which are suitable for various of processing method as dipping, spraying, and foam coating.



Main Application

- Surgical apparels
- Cleaning material
- Filtration material for air-conditioner
- Roof waterproof material
- Glass fiber
- Flame retardancy mattress
- Non-woven fabric for vehicles

Feature

- Excellent bonding
- Special hand
- Good mechanical performance
- Flame retardancy
- Chemical resistance
- Solvent resistance
- Laundering/dry cleanability
- Mould pressing
- No odor
- Low VOC
- Dry viscosity

Leather Finishing Coating Series



Hycar® / Sancure® series products are water-based surface finishing agent specially developed for leathers. It applies PUD and acrylic latex as its main component, and provides fabric with properties as abrasion resistance, anti-microbial, solvent resistance, and so on.

Hycar® / Sancure® series products can be widely applied for the surface finishing of top layer leather, split leather, and other artificial leathers.



Main Application

- Leather shoes
- Leather sofa
- Other leather made articles

Feature

- Excellent adhesive
- Special hand
- Good abrasion resistance
- Cold flex
- Good color fastness
- Surface varnish
- Non-tarcky



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