



TEFLON® PTFE	PFA	FEP
TEFZEL® ETFE	SOLEF® PVDF	
HALAR™ ECTFE	RILSAN™	FBE



TECHNO-COAT SYSTEMS (INDIA)



AN ISO 9001:2015
CERTIFIED COMPANY

**HI-PERFORMANCE
ANTI-CORROSIVE AND
NON-STICK COATINGS**

SINCE 1986

AUTO MOBILE

TEXTILE

CHEMICAL PHARMA

WATER MANAGEMENT

DEFENSE

OFFSHORE

FOOD & BAKERY

POWER & ENERGY



www.ptfeindia.com

THE COMPANY

TECHNO-COAT SYSTEMS (INDIA) [formerly known as Teflo-coat Systems (India)] is a leading pioneer of TEFLON® liquid coating and powder coating in India. A group of dedicated technocrats who are committed to serve industry through technological innovations, started the company in 1986 with the primary objective of implementing a world class polymer processing technology. Then this technocrat has founded another company HI-TECH APPLICATOR in 1994 who offers complete range of lining for valves, piping and fittings.

ABOUT US

PRODUCT LINE

TECHNO-COAT SYSTEMS (INDIA) [TECOSY] specialized in application of fluoropolymer based coatings like PTFE, FEP, PFA, ETFE, ECTFE, PA-11/12, PEEK, EPOXY, FBE ect. Marketed / known as various trademarks like TEFLON®, TEFZEL®, HALAR®, RILSAN®, XYLAN® ect.

We use existing processes & also have flexibility to develop new processes to meet design requirements. The dynamic synergy created by our broad range of materials, coating methods, and services allow us to facilitate the successful completion of each project from conception to execution to delivery. We take great pride in every job we do and welcome the opportunity to provide our services in challenging applications.

Our coating facility is based in Ahmedabad, Gujarat and we serve customers throughout the India, Middle East countries & South East Asia. TECOSY is well-known for FAST delivery, high quality, excellent service, and dependability.

- ◆ Company incorporated in 1986
- ◆ Specialized in TEFLON®, TEFZEL®, HALAR®, RILSAN®, XYLAN® coatings.
- ◆ An ISO 9001:2015 Certified Company
- ◆ More than 6800 sq. ft. working area.
- ◆ Different size of oven to suite various size of jobs.
- ◆ Advance material handling equipments.
- ◆ Maintaining industrial standard operational health & safety hazards
- ◆ Inhouse blasting facility for surface preparation
- ◆ Temperature controlled raw material storage.
- ◆ Automatic/Semi automatic equipments for coating.

PTFE

PTFE (PolyTetraFluoroEthylene) has very unique properties, it is normally applied to components where a non-stick, dry lubricant or low friction coating is required. The mechanical toughness, electrical and low friction properties makes it preferred coating material for many of the applications.



FEATURES

- ♦ Non stick to virtually everything.
- ♦ Extremely low coefficient of friction
- ♦ Good chemical resistance
- ♦ Food contact acceptable
- ♦ Operating temperature upto 260 °C

TYPICAL COMPONENTS ARE

- ♦ Textile Cylinder
- ♦ Pin bars
- ♦ Baking Trays
- ♦ Valve components
- ♦ Sealing heaters
- ♦ Bakery Utensils
- ♦ Guide rolls
- ♦ Domestic Cookware
- ♦ Fasteners
- ♦ Shower components
- ♦ Medical equipments
- ♦ Pizza Pans

PFA (Per Fluoro Alkoxy) based coatings combine the high temperature resistance of PTFE coatings with the ability to achieve non-porous, chemical-resistant films like FEP. Films can be built upto 1MM and are quite tough and abrasion resistant. Release and coefficient of friction are very good.



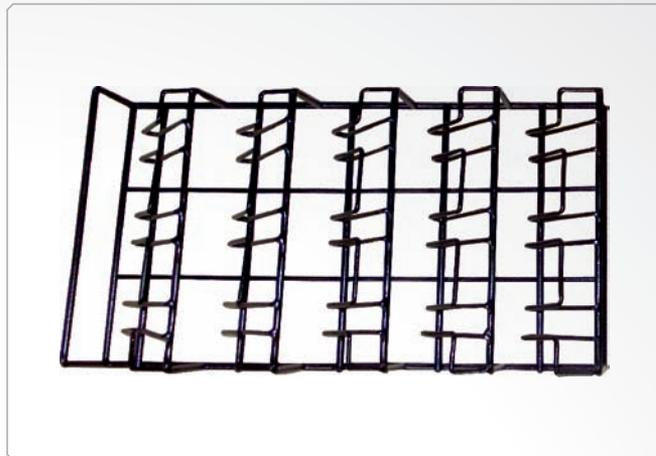
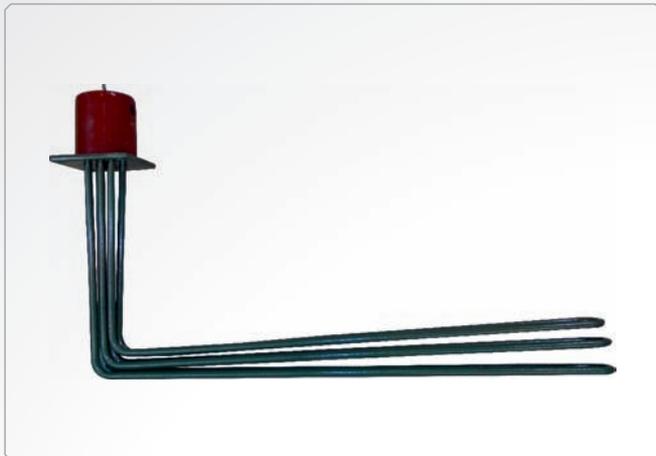
FEATURES

- ♦ Excellent corrosion resistance
- ♦ Non-porous coating
- ♦ Coating thickness upto 1000 microns
- ♦ Good abrasion resistance
- ♦ FDA approved coating
- ♦ Operating temperature upto 260 °C

TYPICAL COMPONENTS ARE

- ♦ Valve components
- ♦ Pipes & pipe fittings
- ♦ Filter housing
- ♦ Storage tanks
- ♦ Level indicator
- ♦ Shafts & agitators
- ♦ Centrifuge baskets

Halar® ECTFE by SOLVAY® is a partially fluorinated semi-crystalline polymer offering a unique combination of mechanical properties, permeation resistance, thermal & chemical resistance and versatility. Halar® coatings has a very smooth surface which helps to reduce the risk of pinholes in the coating and reduce the risk of particle accumulation on the surface.



FEATURES

- ♦ Dimensionally stable, Excellent fire resistance, Extremely smooth surface
- ♦ Operating temperature upto 150 °C
- ♦ Excellent resistance to strong acids, such as sulfuric, nitric, hydrochloric and hydrofluoric.
- ♦ Best radiation resistance of all fluoropolymers
- ♦ Resists strong bases, such as sodium hydroxide, that would stress crack PVDF
- ♦ Ozone-resistant, mechanically tough with excellent abrasion and impact resistance
- ♦ Available in Anti-static coating option for better static charge dissipation.

TYPICAL COMPONENTS ARE

- ♦ Agitators
- ♦ Containers
- ♦ Membranes
- ♦ Pumps
- ♦ Reactors
- ♦ Collectors
- ♦ Piping Systems
- ♦ Chemical Storage Tanks
- ♦ Electroplating Equipment.
- ♦ Centrifuges
- ♦ Hoods
- ♦ Filters
- ♦ Vessels
- ♦ Caustic
- ♦ Semiconductor

ETFE

Technical name of TEFZEL® is Ethylene and Tetrafluoroethylene (ETFE). It is not fully fluorinated, ETFE has excellent chemical resistance and can operate continuously at 150 °C. This resin is the toughest of all fluoropolymers of DuPont and can be applied at film builds up to 1,000 micrometers to provide a highly durable finish.



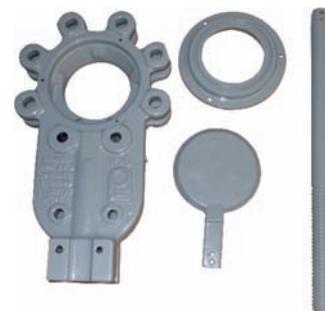
FEATURES

- ✦ Very Durable
- ✦ Good Fire-inhibiting Properties
- ✦ Very Low Vapor Diffusion
- ✦ Ozone Resistant
- ✦ Good Electrical Insulation

TYPICAL COMPONENTS ARE

- ✦ Agitators
- ✦ Condenser
- ✦ Reducer
- ✦ Actuators
- ✦ Centrifuges
- ✦ Pipes
- ✦ Tanks
- ✦ Transmission Shafts

Rilsan® is a registered trade mark of ARKEMA® France. Rilsan® is a unique synthetic thermoplastic coating for excellent corrosion resistance, reduced frictional torque, good impact resistance and good wear resistance. Rilsan® is highly preferred in seawater, potable and non-potable water components where temperature is below 80°C.



FEATURES

- ◆ Weathering & UV resistance
- ◆ Low density, three times lighter than aluminum
- ◆ Low moisture pick-up
- ◆ Excellent impact resistance - Especially low temperature
- ◆ Ductility - High elongation at break and high tensile strength
- ◆ Excellent burst strength
- ◆ Good abrasion resistance and crack propagation resistance
- ◆ Excellent chemical resistance – Especially to hydrocarbons
- ◆ Easy processing (extrusion, injection, blow-molding, roto-molding)

TYPICAL COMPONENTS ARE

- ◆ Water Reticulation Equipment
- ◆ Impellers
- ◆ Housing on Pumps
- ◆ Valves
- ◆ Piping Systems
- ◆ Underwater Flexible Pipes
- ◆ Umbilicals
- ◆ Dish Washer Baskets
- ◆ Automotive Components
- ◆ Water Treatment Plants



PEEK



FBE



FOOD GRADE



EPOXY



XYLAN



PVDF



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TECOSY GROUP COMPANY OF



APPLICATOR

a Global Trusted Brand