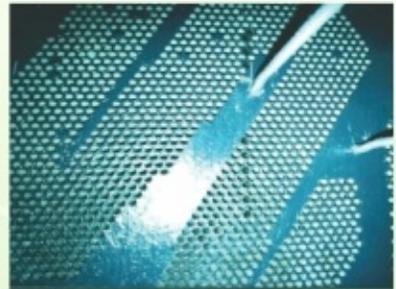




DEMECH
C H E M I C A L

Ceramic

COATING



- EROSION & CORROSION RESISTANT COATINGS
- ENERGY EFFICIENT COATINGS
- HIGH TEMPERATURE COATINGS
- ANTISTICK COATINGS

The Company

DEMECH CHEMICAL PRODUCTS PVT.LTD., an ISO 9001:2008 accredited company began its operations in 1993 in collaboration with Fel-Pro products Inc. USA.

Our well qualified R&D Members, Production Staffs and Team of well trained & skilled Technicians offer turnkey solutions to our customers. We are well equipped to offer solutions to our customers because of the in-house facilities & expertise right from developing the formulations till manufacturing and execution of projects under one roof.

Company started manufacturing Ceramic coating systems in 1993 and since then carried out various coating jobs on slurry pumps, condenser, internal pipe line , gasholder, gypsum hopper in cement plants. We have proven track record of energy saving in CW pumps, Impellers by reducing frictional losses. Our Customer base is both in private and public sector viz., Steel , Power, Cement industries all over India.

Our Strengths

- Well equipped laboratory
- In house R&D facilities
- Modern manufacturing facilities
- Qualified and experienced execution team
- Latest Testing equipments
- Modern equipments to do applications on site
- Approvals from well known consultants like **EIL, UHDE, MECON.**

Tuff Wear™ Brushable Ceramic

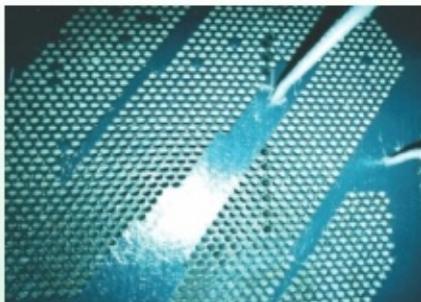
An Ultra smooth, ceramic reinforced epoxy based system having brushable consistency that provides high gloss, low friction coating. Excellent solution against friction, turbulence and cavitations. It also works as a top coat over Wear Resistant Putty / Pneu Wear/ Wearing compound for applications requiring surface rebuilding and lasting protection

CHEMICAL RESISTANT CHART

	Good	Excellent
Nitric Acid 10%	●	
Hydrochloric Acid 10%		●
Phosphoric Acid 10%		●
Sulphuric Acid 10%		●
Toluene		●
Ammonia	●	
Sodium Hydroxide 50%		●
Crude Oil		●
Ferrous Sulphate	●	
Ammonium Sulphate	●	
Chlorine	●	

EROSION & CORROSION RESISTANT COATINGS

This ceramic reinforced 100% solid resin based coating is an ideal choice for OEM's and Maintenance Engineers because of its unique properties like Abrasion resistance, Low friction, Chemical resistance, Wide range of working temperature, Dielectric strength & Salt spray resistance.



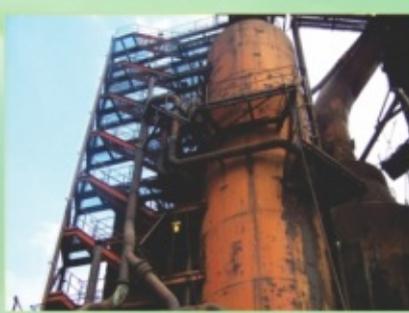
CONDENSOR



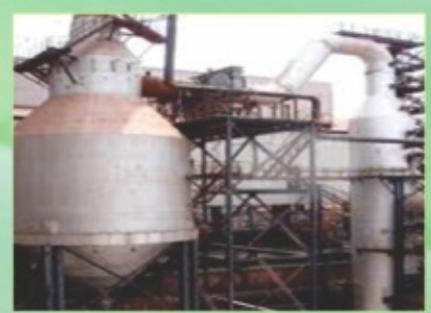
PIPELINES

Recommended Applications

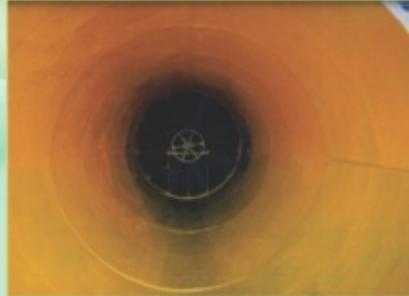
- Condensor, Heat Exchangers
- Internal coating of pipelines
- Gas Scrubber
- Clarifier / Clarifucolator
- Ventilation Fan coating
- Backwash Filters
- Hot Riser
- CO₂ Absorber
- Valve & Bend Internals
- Bends
- Solids-Catalyst Transfer Lines
- Areas Of High Velocity and Turbulence Of Fluids
- Effluent water Pipe line & Fire Hydrant Pipe line



GAS SCRUBBER COATING



GAS SCRUBBER COATING



VENTILATION FAN COATING



CLARIFIER

ENERGY EFFICIENT COATINGS

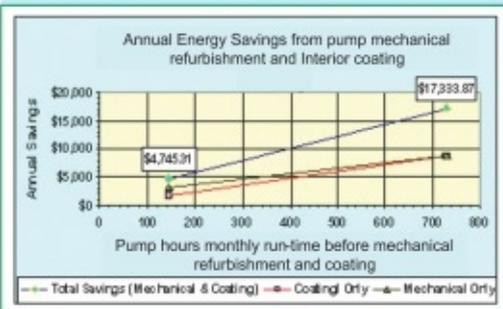
This is a specially developed product meant for lining of pump casings which enhances the efficiency of pump. In addition to the lowering of electricity bills this coatings also extend the service life of pumps. Reducing the friction is the key to increase pump efficiency. With such type of protective coating the pump interior casing is protected from Corrosion, Abrasion, Erosion and Cavitation which prevents the formation of rough surface. In doing so, not only the Pump life is enhanced but also gives saving in power.

Recommended Applications

- Pump Casings
- Pump Impellers
- Internal Coating to Pipeline



Energy analyses reveals that mechanical refurbishment of pumps alone can achieve only half of the potential energy savings. For 100% energy efficiency, it must be accompanied by coatings applied on blasted surface.



HIGH TEMPERATURE COATINGS

This product is suitable for environments exposed to high temperature and corrosive atmosphere where temperature is high or above 150°C.

Recommended Applications

- Mould oscillator
- ESP dust collector
- Isolation valves in coke oven
- Cooling chamber
- Sinter cooler fans
- Pipe lines carrying high temperature flue gases
- Stack coating / Flare Stack coating



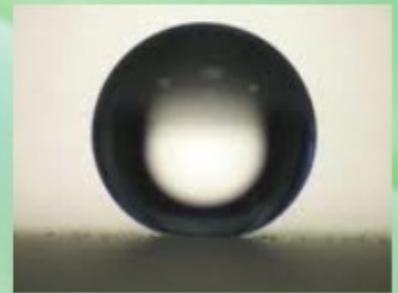
MOULD OSCILLATOR COATING



ESP COATING

ANTISTICK COATINGS

This product is formulated by using **Special Nano Powders** which give excellent antistick property alongwith erosion resistance. The contact angle of the surface is maximised which imparts this antisticking effect. Coefficient of friction of this product is 5-6 times better than epoxy coatings. Mainly used for applications where industry is suffering due to sticking of particles which hampers its productivity and consumes more energy.



Water droplet on **UNCOATED SURFACE** v/s. **ANTISTICK SURFACE**

Recommended Applications

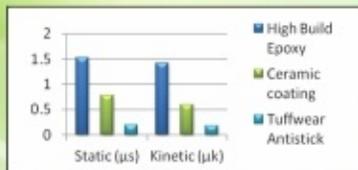
- Hoppers of Coal/ Lignite/ Gypsum/ Bentonite/ Dolomite
- Buckets carrying Coal/ Lignite/ Gypsum/ Bentonite/ Dolomite
- Fans of Coal/ Lignite/ Gypsum/ Bentonite/ Dolomite



GYPSUM HOOPER COATING



GYPSUM HOOPER COATING



OTHER CERAMIC COMPOSITE PRODUCTS IN OUR RANGE:

WEARING COMPOUND : This is a product incorporated with large ceramic beads for combating heavy erosion. Equipments reclaimed with this product last for years due to ceramic beads.

Recommended Applications

- Dedusting Fan
- Sinter Cooler Fan
- Vibrating Screen
- Trommel

PNUE WEAR : This product has small ceramic beads and is used in areas which have erosion due to fine particles.

Recommended Applications

- Dedusting Fan
- Sinter Cooler Fan

WEAR RESISTANT PUTTY : This Product which is filled with ceramic fibers offers excellent wear and abrasion resistance where wear is occurring due to friction in two surfaces or due to micro fine powders.

Recommended Applications

- Vaccum Degas Reactor
- Isolation Valve
- Flight of Classifier

CERAMIC TILE ADHESIVE : This high compressive and adhesive strength product is used for fixing of Ceramic tiles on Concrete or Metallic surface. Its resilient property also prevents the tiles from dislodging due to impact. Ceramic Tile adhesive also offers resistance to abrasion, an ideal product for filling of pointing areas as well as to refurbish the damaged ceramic tiles.



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