



**DEMECH**  
C H E M I C A L



# *Polyurethane* COATING



## 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.

## 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.**

## Key Features

- Wide range is available for pot life in seconds to 30 minutes.
- Unlimited film building capability
- Excellent chemical resistance
- Excellent physical and mechanical properties
- Non-toxic
- Flexible
- Extremely low permeability
- Low coefficient of friction

## POLY 5

Poly 5 is a solvent free two component 100% high build solid polyurethane coating system for corrosion resistant application and floor coating. This fast curing system provides highly impermeable water proof protective coating layer. This product is suitable where temperature ranges from -55°C to 200°C. It is a seamless coating system with good resistance to mechanical & thermal shocks. It can bridge cracks upto 3.5mm in concrete for a 2mm thick film. This product provides excellent adhesion strength on any substrate.

### Advantages

- 100% solids, Zero VOC.
- Good resistance to undercutting and cathodic disbondment
- Excellent resistance to most of the chemicals
- Can be applied to thickness upto 25 mm
- Excellent concrete crack bridging ability
- Excellent waterproof membrane



### Recommended Applications

- Pressure Vessels
- Tanks
- Pipes
- Floors
- Swimming Pool
- Cooling Tower Basin
- Structure Coating

## POLYURETHANE FLOORINGS

This is a high performance 100% solid polyurethane self leveling flooring designed to exceed ever changing needs of industrial applications for seamless, hygienic and safe flooring. Polyurethane flooring system is combination of special graded aggregates and fillers. This flooring is available in a wide range of color with specific requirements like strength, chemical resistant etc.

### Advantages

- Excellent gloss
- Resilient and tough film
- Excellent resistance to most of the chemicals
- Excellent concrete crack bridging ability
- Provide waterproof seamless membrane
- Monolithic coating
- Vibration damping coating

### Recommended Applications

- Chemical processing and storage dyke
- Food processing and manufacturing industries
- Pharmaceuticals / Laboratories
- Production and Warehousing
- Cold storage rooms



## POLYURETHANE STRUCTURAL PAINTS

Our polyurethane paints provide excellent UV and anti-corrosive resistance on all metal surfaces like mild steel, alloy steel, cast iron etc. The product once coated by brush or sprayed over the duly prepared metal surface provides a long lasting anti-corrosive layer thus protecting the base substrate from atmospheric corrosion. This high gloss & resilient UV resistant coating is highly recommended for exterior as well as internal applications.

### Advantages

- Non-flammable as per D.O.T. classification
- Excellent gloss and color retention
- Non-yellowing, UV stable formula
- Resists attack by most acids, alkali, detergents
- Good abrasion resistance
- Available in two versions i.e. **Multiguard PU** & **Demothane**

### Recommended Applications

- Coating of structures, beams, channels etc in various industries
- Coating of industrial equipments and finished products



## POLY 80 PUTTY / LIQUID

Specially designed trowelable Urethane putty having excellent sealing and elongation properties. Due to high elongation properties with excellent adhesion strength, it is ideal for repairing of rubber and urethane surfaces that are subjected to corrosion, wear and impact. Also it is available in pourable version under the brand name Poly 80 Liquid.

### Advantages

- Resists corrosion, abrasion and impact – for durable repairs
- Easy to mix and use – reduce repair and downtime
- Combines properties of rubber and urethane – remains resilient.
- Urethane – resists abrasion, impact and corrosion – unaffected by oil, grease or water
- Can be poured into moulds
- Passes acid resistance to HCL – 10% to 20%, H<sub>2</sub>SO<sub>4</sub>-10% to 20% and Alkali resistance to NaOH – 10% to 20%.
- Builds wear parts fast

### Recommended Applications

For repairing, rebuilding and reclamation of

- Rubber liners, rubber rollers
- Pipe elbows
- Pump liners
- Pulleys & Conveyor belts
- Rubber and Urethane parts or sheeting
- Couplings
- Vibratory feeder bowls
- Wear parts



### Demech Chemical Products Pvt. Ltd.

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