

Now we are introducing full range of products to combat the greatest enemy of your assets – the corrosion utilising latest advancement in nano technology & polymer chemistry

Di Electric Safety Floor and structural Coatings :

VALENCY 111

VALENCY 111 is epoxy resin based flooring / Structural coating composition having specially chosen fillers to eliminate any possibility of moisture entrapment, dust retention and hence is completely free from the danger of forming tracking paths. It offers seamless aesthetically attractive insulating floor coating as well as when applied on structures in electrical High voltage areas, protects the structures from corrosion, eliminates the possibilities of flash over. The product is supplied in ready to use 'factory measured' components and is suitable for 5 Sq. Meters area.

FIELDS OF APPLICATION

Electrical insulators.

- Transmission tower / Electrical poles
- Support structures
- Bus-bars, Bushings
- FRP Barrier Boards
- MCB rooms
- Electrical rooms



Industrial floor Repair and Coating :

Valency 211

VALENCY 211 is "Ready to use, Factory Premeasured" combination of High Performance Primer, Intermediate Coat, topping layer based on specially chosen polymers like Epoxies and/or Polyurethane. The kit is designed to give the total thickness of 2mm +. The kit is suitable for 5 Square meters area.

FIELDS OF APPLICATION

- 1) Pharmaceuticals 2) Electronic industry 3) Clean rooms 4) Operation theaters in Hospitals
- 5) Pathological Laboratories 6) Assembly rooms 7) Entrance lobbies
- 8) Defence research laboratories 9) Tank yards in Chemical Industries 10) Research Laboratories



Chemical Resistance Coating Metal and Concrete Surface :

Valency 311 – Product specially formulated for protecting metallic surfaces, structures against intermittent splashes and / or fumes of alkalis, acids and normal industrial chemicals . The product performs well for continuous operating temperature of approximately 70 degrees centigrade.

Valency 312- The only choice for protecting concrete structures like floors of tank yards, ETP digestors, etc. against corrosion by acids, alkalis and other chemicals normally used in industries. Similar to Valency 311 product performs well at temperatures upto 70 degrees centigrade.

Valency 313 - This polyurethane based topcoat exemplifies well balanced properties catering the needs of protection as well as beautification. High gloss of the product adds to aesthetics as well as its UV resistance prevents the degradation of undercoats. For codification of pipe lines there is no better option to Valency 313.

Valency 314- Protection of metal and concrete surfaces which are continuously attacked by corrodents as in case of immersion encountered in storage tank of various chemicals, had always been a challenge to formulating chemists. Valency 314 fills up that void thereby avoiding costlier options like use of expensive materials e. g. stainless steel, need of cladding, glass lining or FRP lamination. Valency 314 performs well at moderate concentrations of acids, alkalis and other attacking chemicals normally used in industry and is an ideal choice for inner coating of storage tanks of various chemicals.

Valency 315- this is an upgraded version of valency 314 which is formulated to withstand the attack of corodents (continuous immersion) even at higher temperatures.



True Surface tolerant coatings

Valency 411, 412 and 413 as product basket provides complete protection solution when surfaces damaged by saline water, other corrodents need to be protected without using time taking and elaborate methods like acid etching or sand / shot blasting. Valency 412 and 413 can be applied on rusty, oily, moist, wet, underwater surfaces after nominal surface preparation. Valency 413 serves the purpose of protecting the undercoats from UV attack as well as improving the aesthetics.



Metallic Polymers

These metal filled compositions based on modified epoxies and specialty curatives as well as specific additives are used for metal refurbishing / resurfacing / repairs / joining / crack filling. After full cure, the repaired part can be subjected various machining operations as per requirements.

Valency 611 - General purpose steel powder filled epoxy compound refurbishing, repairs, crack filling of steel components. Can be machined after full cure.

Valency 612 - Longer pot life version of Valency 611. Useful when amount of rework and hence the quantity required as well estimated time for completing the job is longer.

Valency 613 - An ideal choice for repairs of components damaged by erosive / corrosive abuses. Ceramic fillings offer greater resistance and offer longer life before next repairs.

Valency 614 - Very fast setting epoxy compound used successfully for online leakage arresting

Valency 615 - Non rusting, high mechanical strength, chemical resistant compound suitable in specifically more demanding environment.

Valency 616 - Surface tolerant repair compound which can be used on oily as wet surfaces and even under water.

Metal filled Polymeric Coatings

Valency 711 - Ceramic filled polymeric coating for refurbishing surfaces of static and rotary equipments facing erosive / corrosive environments

Valency 712 - Upgraded version of Valency 711 formulated to withstand temperatures in the range of 130 degrees Centigrade.

Valency 713 - Upgraded version of Valency 712 formulated to withstand temperatures in the range of 150 degrees Centigrade.

Valency 714 - This coating offers practically friction free ultra smooth, non sticking surface . Very successfully used for minimising frictional losses and improving the efficiency of equipments.

