



## **HYPOXY SYSTEMS INC. USA**

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## **ELECTRICAL MAINTENANCE SERVICES**

We wish to introduce ourselves as “HY POXY SYSTEMS, INC,” U.S.A., one of the leading MRO EPOXY SOLOUTIONS provider & a premiere formulator, manufacturer and worldwide marketer of quality epoxies. The company is headquartered at South Carolina USA & with the completely automated modern manufacturing facilities, provides internationally proven **Metal & Ceramic filled Polymer compounds for maintenance & repair solutions.**

The products are regularly used worldwide for planned / preventive maintenance, emergency repair & Plant / Components efficiency enhancement applications in varied industry segments like Power generation, Power Transmission and distribution, Mines & minerals industry, Steel plants, Cement plants, Oil & gas, Petrochemical & refineries, Chemical & fertilizer, Aviation industries etc.

**For details, pl visit our website at [www.hypoxy.com](http://www.hypoxy.com).**

We offer the complete “Hy Poxxy” range of products & are equipped with strong nation wide presence of techno commercial executive and managers, Team of skilled applicators along wide network of authorized dealers located at strategic locations.

We also provide complete MRO services like Maintenance survey, assessment of problems, Recommendation of suitable products and services & finally the complete application services.

We also provide timely feedback with the data on financial savings by customers employing our services.

**Some of the common applications / jobs being attended by us with various ELECTRICITY BOARDS in POWER TRANSMISSION & DISTRIBUTION segment are - :**

1. On line transformer oil leakage arresting in power and distribution transformers from various locations like radiator fins, buckolz relay, radiator main flange, Transformer parting plate, Transformer Top plate, Ruptured & cracked gaskets, Welding joints etc.
2. On line transformer oil leakage arresting from Bushing area.
3. In situ repair of damaged or broken petticoat area of Insulators & Isolators.
4. Insulator coating by Ceramic Hard Coat to improve glaze & creep resistance.
5. Inside substation bus bar coating.
6. External open / naked bus bar coating.
7. Jumpers coating.
8. HT & LT Bushing dielectric coating.
9. Bus bars sprouts and supports coating by ceramic hard coat to prevent moisture absorption.
10. Epoxy moulded CT / PT coating by Ceramic hard coat to prevent moisture seepage.



Hy Poxo range of repair compounds are mostly 2 component systems consisting of the RESIN & HARDNER. The resin contains of finely powdered metals or ceramic suspended in an epoxy filler. The hardner is a chemical curing agent. When the resin and the hardner are mixed in the right proportions, the mixture quickly cures to form the solid mass.

Hy Poxo products are engineered to carry out fast insitu repairs and put damaged equipments back into service quickly. The cured metallic mass will have comparable and often superior physical and chemical properties as compared to base metal.

We at Hy Poxo supply the material to attend the above applications to electricity boards and are also provide application and job completion services through our nation wide service team. We have also formulated special kits containing the required material to attend the above applications.

Some of the large jobs, we attend by supplying the material after inspection and then depute our service team for application services.

We also provide the free training to board technical personnel for using the products and attend the above applications independently.

**Some of the salient features & benefits exhibited by our Hy Poxo range of MRO Epoxy products are - :**

- 1. Wide Range – The complete range of Metal filled, Aluminium, Titanium & Ceramic filled liquids and putties to address complete Maintenance needs of indian industry.**
- 2. Various Pack Sizes. – We have small, medium & large pack sizes for all our products, which gives customers the benefits of flexibility in selection of suitable pack sizes as per their requirements.**
- 3. Fast curing 5 minutes Aluminium putties in various pack sizes.**
- 4. In Hy Poxo products, the fillers are closely linked with high molecular weight polymer binders. This ensures better and higher tensile shear adhesion strength over equivalent products from competition.**
- 5. Hy Poxo products cures faster & reaches to maximum strength in minimum time ensures reduced down time.**
- 6. Hy Poxo products have lower water permeability. This ensures better performance when they are exposed or immersed in water.**
- 7. When the cured compound is exposed to heat / temp. – dry or wet, the mechanical properties such as Flexural strength, Compressive strength, Tensile shear adhesion strength and Hardness drops at elevated temp.**  
**The rate of fall is more steep in competition products than ours. This indicate better suitability / Retainability of mechanical properties at elevated temp in our products.**
- 8. Our every hardener pack is nitrogen sealed for safety, pilferage & long usable life.**
- 9. Nromally our products exhibits long shelf life of approx 5 years if stored well.**
- 10. We ensure that Hy Poxo products supplied to customers are not more than 5-6 month old from manufacturing date. This ensure customer to enjoy complete 5 years period of "BEST BEFORE USE"**

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