

# ElektroactivX Anticorrosion Primer

Conductive polymer based — redox active, self-healing, scratch & pinhole tolerant, environmentally friendly, toxic metal free, single component high performance anticorrosion primer for steel surfaces.

ElektroactivX Private Limited · Dr. Arindam Adhikari · [info@elektroactivx.com](mailto:info@elektroactivx.com) · [www.elektroactivx.com](http://www.elektroactivx.com)

"Corrosion, being an electrochemical phenomenon, can be tackled through the use of Electrochemistry and Conducting polymers." — Prof. Alan G. MacDiarmid, Nobel Prize in Chemistry, 2000

## Industries We Protect

ElektroactivX primer is engineered for the most demanding industrial environments across a wide range of sectors.



### Defense & Shipping

Naval vessels, warships, and commercial shipping fleets operating in harsh marine environments.



### Oil, Gas & Pipelines

Pipelines, refineries, offshore rigs, and petrochemical facilities exposed to corrosive media.



### Infrastructure & Bridges

Bridges, railways, power transmission towers, and large-scale civil structures.



### Power & Chemical Plants

Steel plants, power generation facilities, chemical & petrochemical processing plants.

# ElektroaktivX: Key Product Advantages



## Superior Protection

Protects metals **5–10× longer** than conventional technology. Only **20 micron DFT primer** needed.



## Environmentally Friendly

Toxic metal free — no chromates, no zinc. Only **1.0–1.5% additive loading** vs. up to 90% for zinc-based primers.



## Self-Healing

Redox-active Organic Metal passivates the surface and **self-heals micro-scratches**. Scratch & pinhole tolerant up to 1 mm width.



## Reduced Coating Thickness

**25–60% reduction** in coating thickness vs. conventional systems, with no loss of performance.



## Multi-Metal Compatible

Protects steel, aluminum, zinc, copper, and other metal alloys. Single-component, easy to apply.

# Global Deployments

Conductive polymer based coatings (ElektroaktivX International) have been proven across the world's most demanding infrastructure projects.



## Honshu-Shikoku Bridge, Japan

Test winner for anticorrosion performance on one of the world's longest bridge systems.



## Deep Sea Oil Production, Brazil

Pipe coating for deep sea oil production — extreme corrosive environment performance.



## Aluminum Boat Coating, Germany

Coating of aluminum boat hull in Speyer, Germany — demonstrating multi-metal compatibility.



## Wastewater Treatment Plant, Poland

Pipe coating for wastewater treatment — proven in chemically aggressive environments.



# Prominent Clients

ElektroaktivX and ElektroaktivX products are trusted by leading global organizations across defense, energy, aerospace, and industry.

## Aerospace & Defense

- Boeing R&D Centre, India
- ISRO Application Centre, Ahmedabad
- Raksha Supreme Camouflage Pvt Ltd
- Ordnance Factory, Ambernath

## Energy & Industry

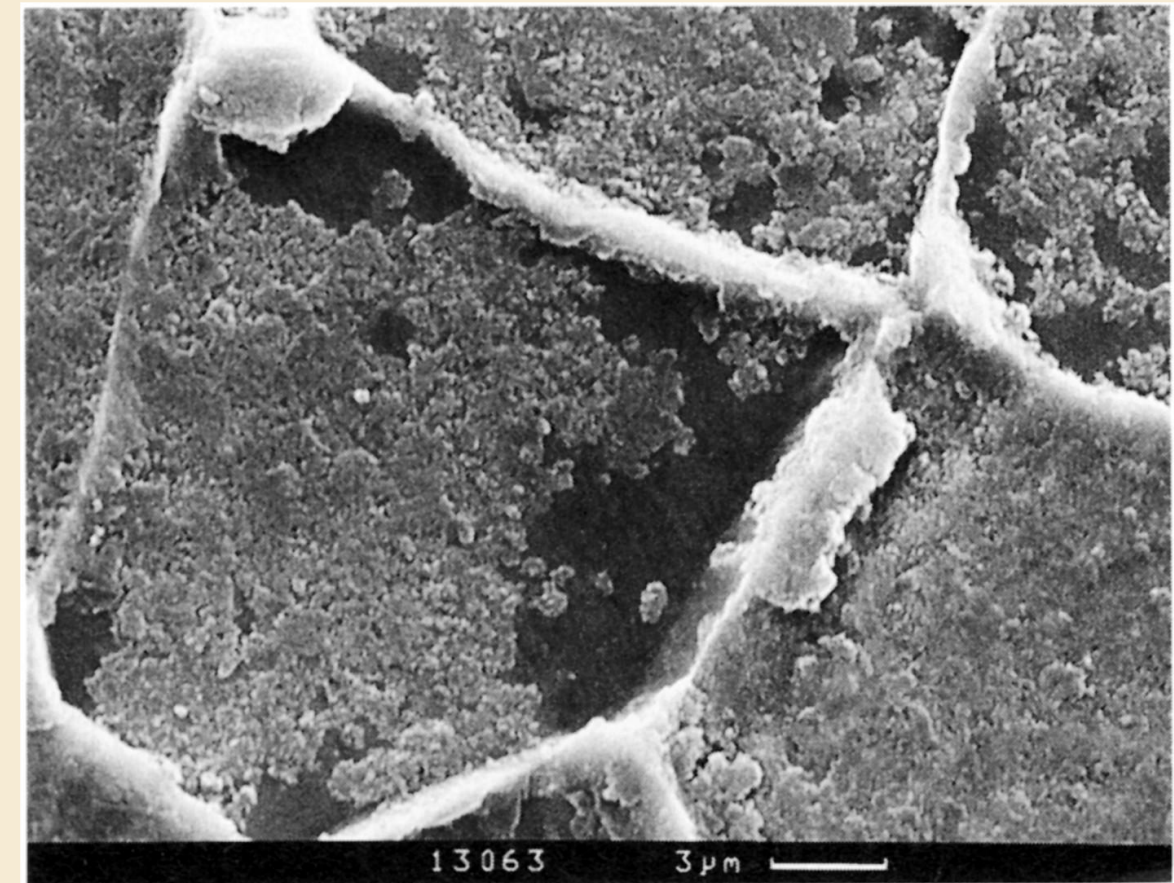
- Reliance Industries, India
- Adani Power Limited (Udupi, Mundra)
- Hindalco Industries, Belgavi
- Oil India Limited, Duliajan

## Global Technology

- Apple, USA
- Facebook, USA
- HP, USA
- Nipsea Technologies, Singapore (Nippon)

## FMCG & Manufacturing

- Nestlé, Goa & Mysore, India
- Patpert Teknow Systems, Pune
- Bruss Sealing Systems, Germany
- Kluthe, Germany



**Onsite testing in progress:** Adani Power Udupi & Mundra, Hindalco Belgavi, Shyena Solutions Bengaluru, Sanjivani Agro Machineries Nagpur, Moxie Power Generation Tuticorin.

# Contact Us

Ready to protect your assets with the next generation of anticorrosion technology?

## ElektroaktivX Primer — At a Glance

**Product Code:** ElektroaktivX

**Price:** EURO 28 / litre

**Pack Size:** 20 L

**Minimum Order:** 500 L

**DFT:** 20 micron

**Coverage:** ~6 m<sup>2</sup>/kg

## ElektroaktivX Private Limited

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