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Title: An Investigation of the Electrochemical Action of the Epoxy Zinc-rich Coatings Containing Surface Modified Aluminium Nanoparticle

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- Highlights
- Aluminium nanoparticle was modified with amino trimethylen phosphonic acid
- 2 wt.% of zinc dust in zinc-rich paint was substituted by aluminium nanoparticles
- Surface modified aluminium nanoparticle improved the cathodic period of protection
- Aluminium nanoparticles enhanced the corrosion protection of the zinc-rich coating

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