

specimens, whereas EPX coatings reduced the mass loss by 23 times. Without any exposure of EPX coatings to UV radiation and temperature changes, the system offered better resistance to chloride penetration.

Both MC and EPX coatings are found to be highly effective in terms of electric resistivity offered against chloride migration and mitigating the corrosion of embedded rebar. However, in terms of mixing, recoat time, and time required for curing, single-component MC PUR coatings are more useful in the marine environment compared to epoxy coatings.

NOTE: Readers who wish more detail can download that manuscript from the AMPP web site (www.nace.org) and refer to the Vanama, et al.,² study.

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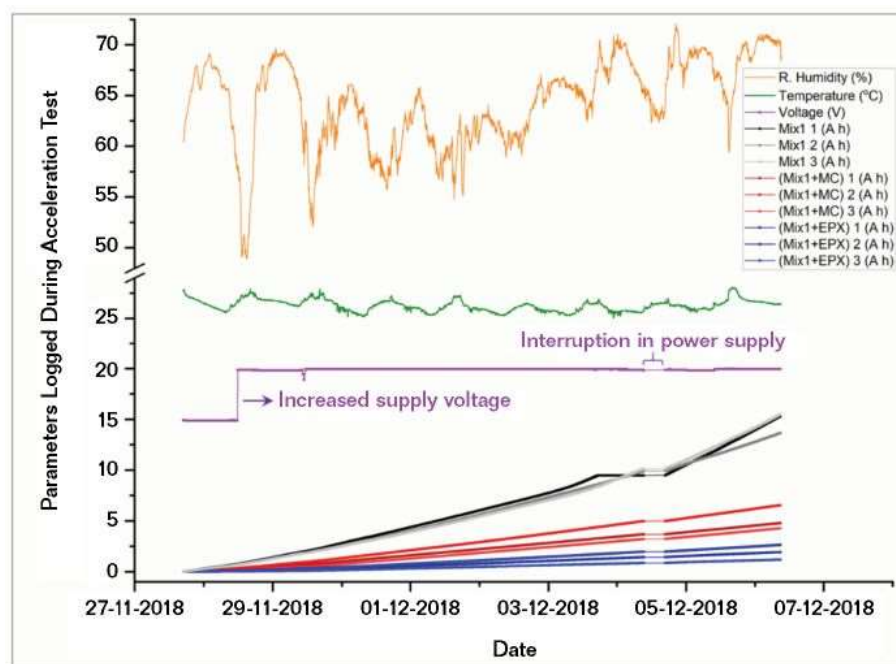


FIGURE 3 Variation in cumulative current flow, supply voltage, temperature, and relative humidity during the acceleration test.

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