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Article

PEO of AZ31 Mg Alloy: Effect of Electrolyte Phosphate Content and Current Density

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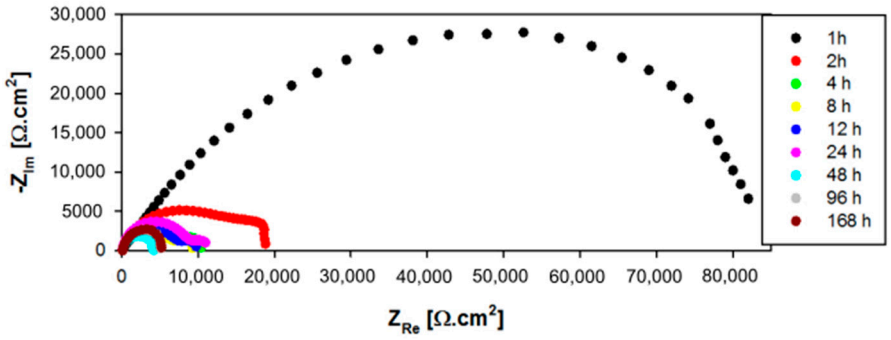
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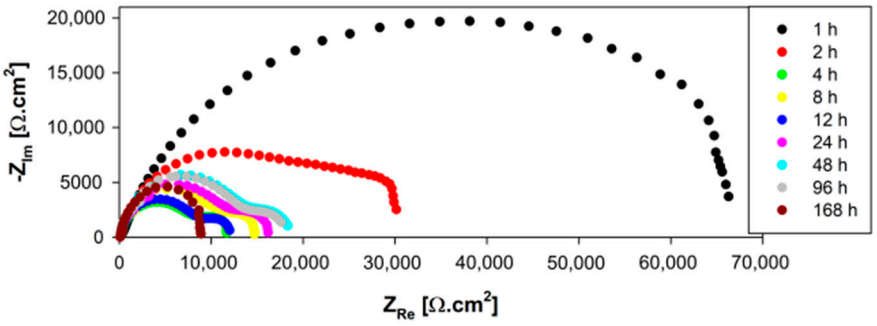
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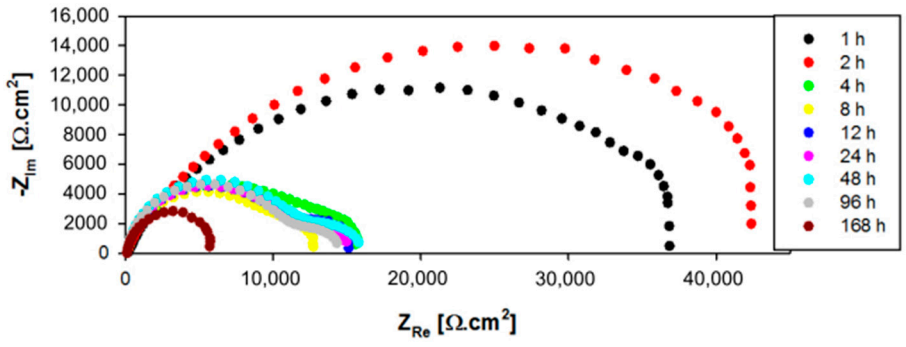
Supplementary files



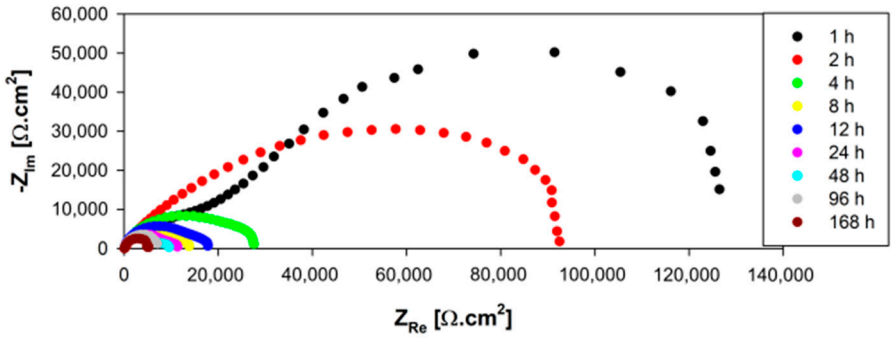
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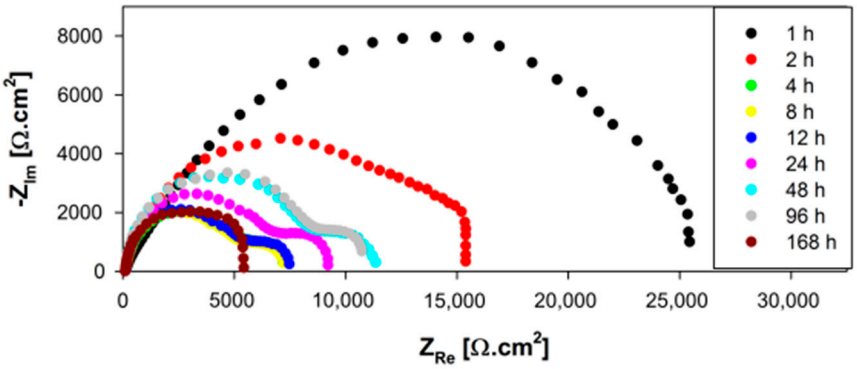


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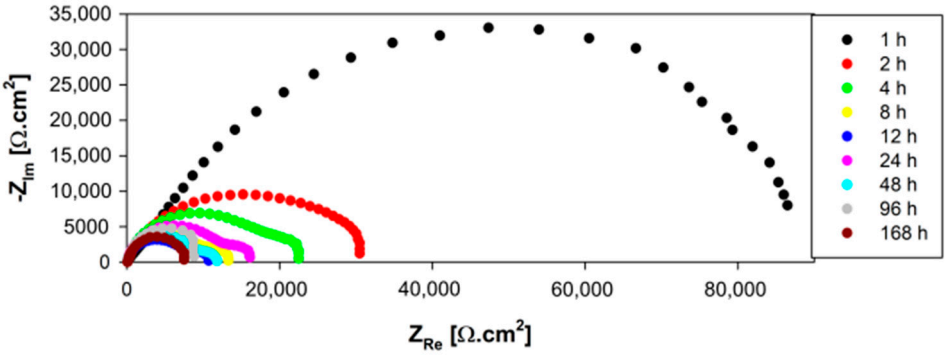


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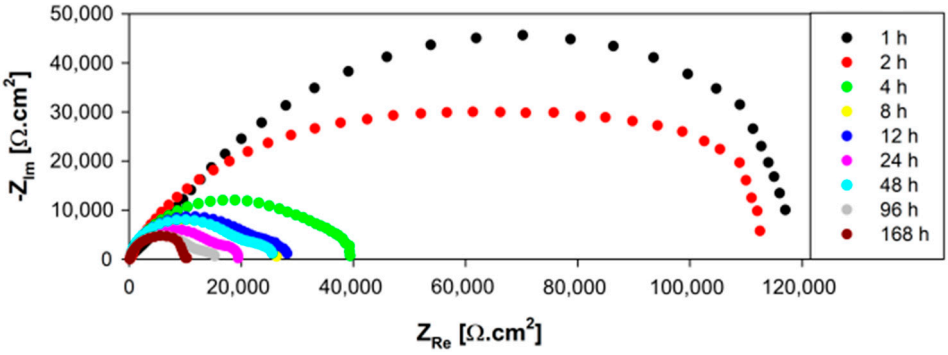
Figure S1. Nyquist diagrams of PEO coatings prepared in the electrolyte with 8 g/l Na_3PO_4 with applied current density of 0.025 A/cm² (**a**), 0.05 A/cm² (**b**), 0.1 A/cm² (**c**) and 0.15 A/cm² (**d**).



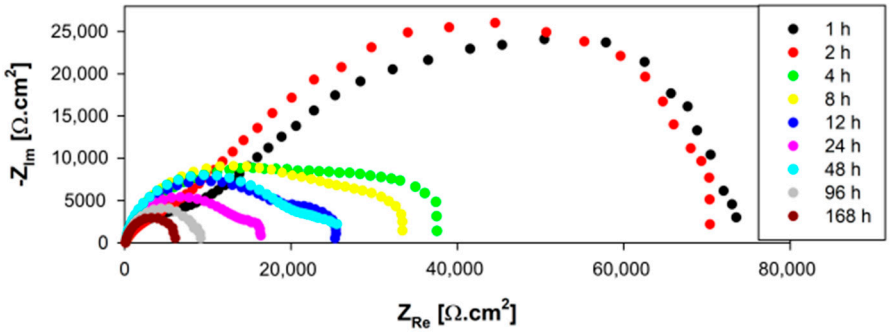
(**a**)



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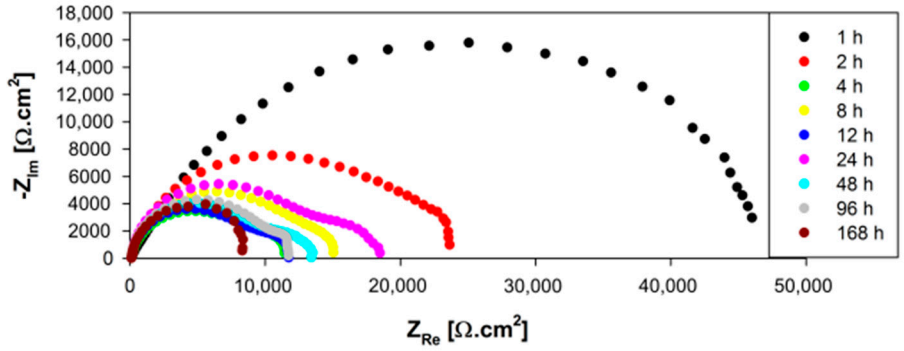


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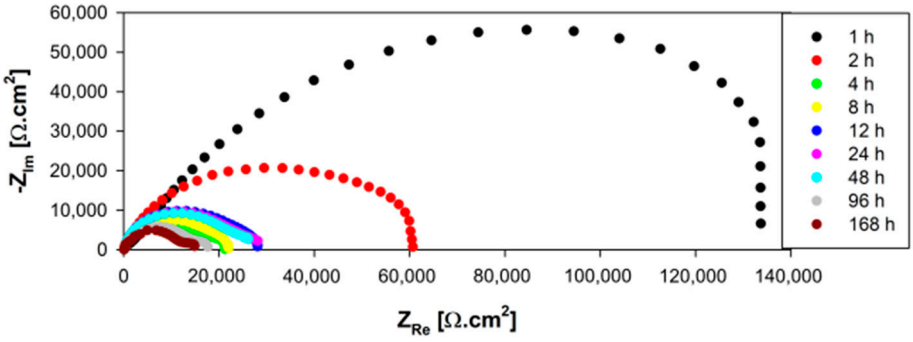


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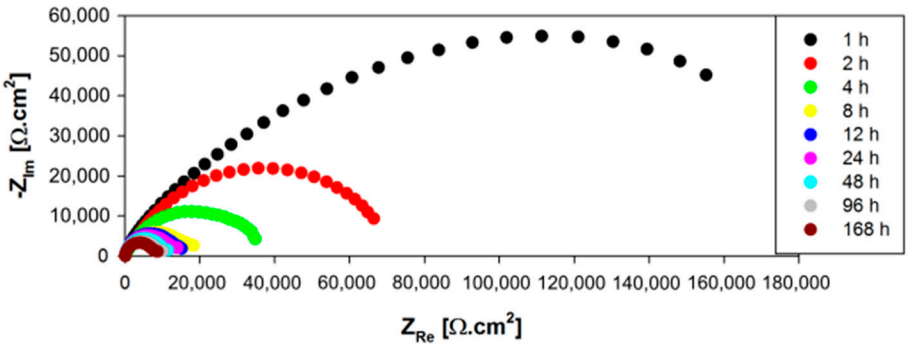
Figure S2. Nyquist diagrams of PEO coatings prepared in the electrolyte with 10 g/l Na_3PO_4 with applied current density of 0.025 A/cm² (**a**), 0.05 A/cm² (**b**), 0.1 A/cm² (**c**) and 0.15 A/cm² (d).



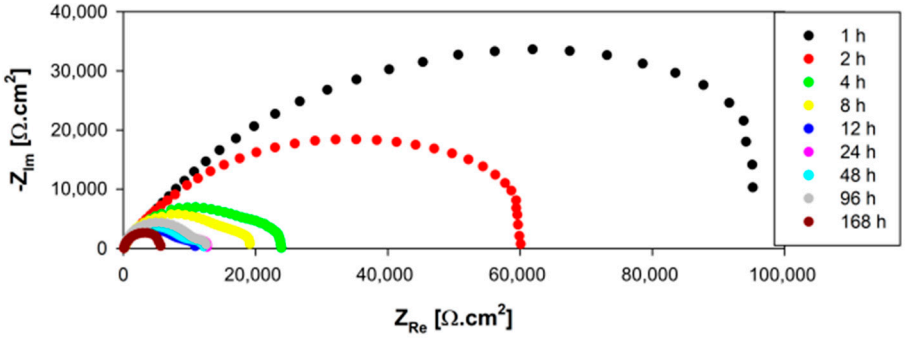
(**a**)



(**b**)

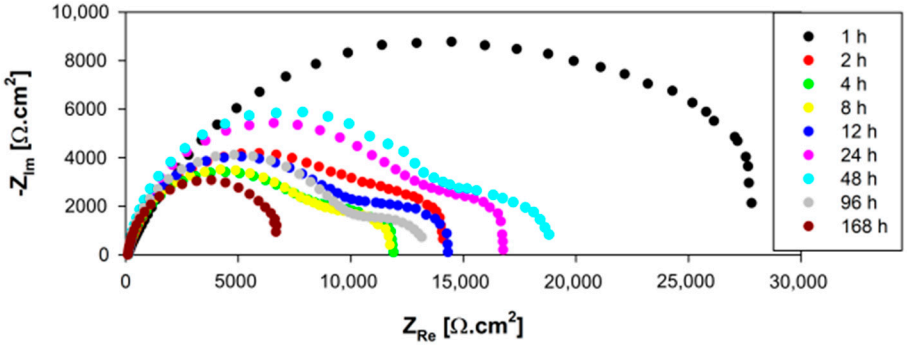


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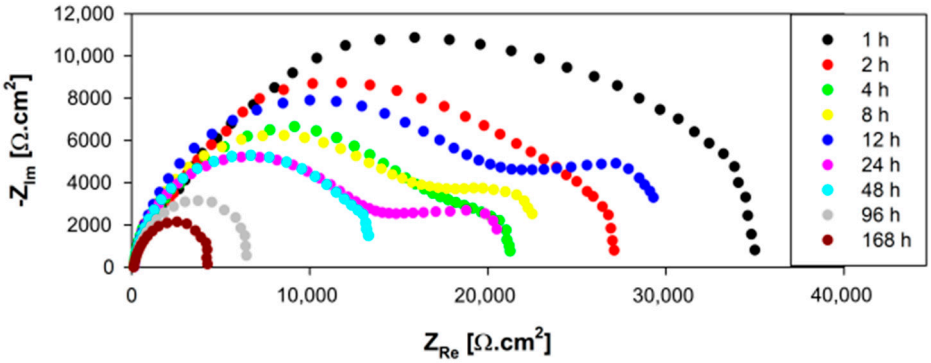


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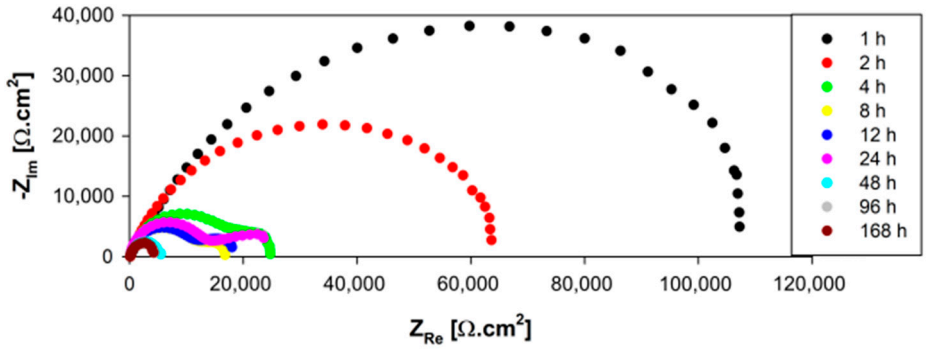
Figure S3. Nyquist diagrams of PEO coatings prepared in the electrolyte with 12 g/l Na_3PO_4 with applied current density of 0.025 A/cm² (**a**), 0.05 A/cm² (**b**), 0.1 A/cm² (**c**) and 0.15 A/cm² (**d**).



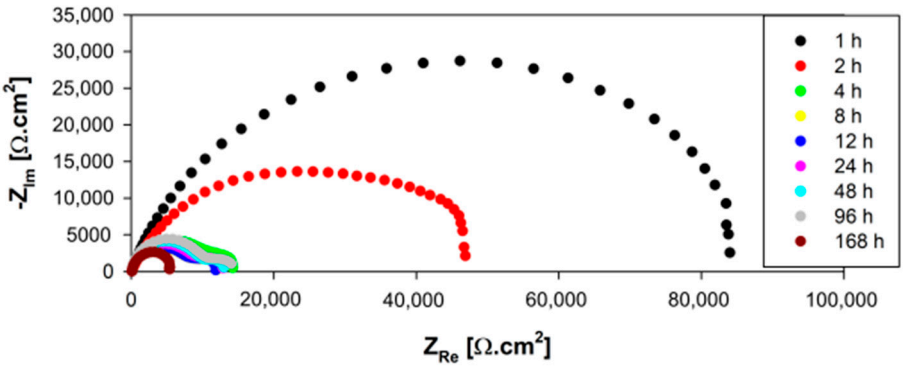
(**a**)



(**b**)



(**c**)



(**d**)

Figure S4. Nyquist diagrams of PEO coatings prepared in the electrolyte with 15 g/l Na_3PO_4 with applied current density of 0.025 A/cm² (**a**), 0.05 A/cm² (**b**), 0.1 A/cm² (**c**) and 0.15 A/cm² (**d**).

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