SUPPLEMENTARY MATERIAL TO
Corrosion protection of AZ91D magnesium alloy by a duplex coating

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Fig. S-1. Potentiodynamic polarization curves in Ringer solution for: a - uncoated AZ91D alloy and b - alloy covered with: PPy0.25; c - PPy0.50. The scan rate was 0.001 V s⁻¹.

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Fig. S-2. SEM image of the RMo–PPy$_{0.25}$ film synthesized onto AZ91D alloy.

Fig. S-3. Potentiodynamic polarization curves in Ringer solution for the AZ91D alloy covered with: a - PPY$_{0.25}$; b - RMo–PPY$_{0.25}$ and c - RMo–PPY$_{0.25}$–Ag. The scan rate was 0.001 V s$^{-1}$. 

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Fig. S-4. Time dependence of the OCP in Ringer solution for: a - uncoated alloy and b - the alloy covered with: PPY$_{0.25}$; c - RMo–PPY$_{0.25}$; d - RMo–PPY$_{0.25}$–Ag.

Fig. S-5. Equivalent circuit used for fitting the experimental EIS data for: A - uncoated alloy and B - RMo–PPY$_{0.25}$-covered AZ91D alloy.
Fig. S-6. SEM images of the RMo–PPy<sub>0.25</sub>-covered AZ91D Mg alloy immersed in 0.05 M AgNO<sub>3</sub> solution for 4 h under open circuit conditions.