

References

1. Scholz J, Nocke G, Hollstein F and Weissbach A. Investigations on fabrics coated with precious metals using the magnetron sputter technique with regard to their anti-microbial properties. *Surface & Coatings Technology* 2005; 192: 252-256.
2. Wei Q, Yu L, Wu N and Hong S. Preparation and characterization of copper nanocomposite textiles. *Journal of Industrial Textiles* 2008; 37: 275-283.
3. Hegemann D, Amberg M, Ritter A and Heuberger M. Recent developments in Ag metallised textiles using plasma sputtering. *Materials Technology* 2009; 24, 41-45.
4. Pawlak R, Korzeniewska E, Frydrysiak M, Zięba J, Tesiorowski L, Gniotek K, Stempien Z and Tokarska M. Using vaccum deposition technology for the manufacturing of elektro-conductive layers on the surface of textiles. *Fibres and Textiles in Eastern Europe* 2012; 20, 2(91): 68-72.
5. Bula K, Koprowska J and Janukiewicz J. Application of cathode sputtering for obtaining ultra-thin metallic coatings on textile products. *Fibres and Textiles in Eastern Europe* 2006; 14, 5(59): 75-79.
6. Conde A, Nanas C, Cristobal AB and Housden Jan de Damborenea J. Characterisation of corrosion and behaviour of nanoscaled e-beam PVD CrN coatings. *Surface & Coatings Technology* 2006; 201: 2690-2695.
7. Ibrahim MAM, Korabla SF and Yoshimura M. Corrosion of stainless steel coated with TiN, (TiAl)N and CrN in aqueous environments. *Corrosion Science* 2002; 44: 815-828.
8. Han S, Lin JH, Tsai SH, Chung SC, Wang DY, Lu FM and Shih HC. Corrosion and tribological studies of chromium nitride coated on steel with an interlayer of electroplated chromium. *Surface & Coatings Technology* 2000; 133–134: 460-465.
9. Ahn SH, Choi YS, Kim JG and Han JG. A study on corrosion resistance characteristics of PVD CrN coated steels by electrochemical method. *Surface & Coatings Technology* 2002; 150: 319-326.
10. Liu C, Lin G, Yang D and Qi M. In vitro corrosion behavior of multilayered Ti/TiN coating on biomedical AISI 316 L stainless steel. *Surface & Coatings Technology* 2006; 200: 4011-4016.
11. Kaciulis S, Mezzi A, Montesperelii G, Lomasta F, Rapone M, Casadei F, Valente T and Gusmano G. Multi-technique study of corrosion resistant CrN/Cr/CrN and CrN:C coatings. *Surface & Coatings Technology* 2006; 201: 313-319.
12. Koprowska J, Ziaja J and Janukiewicz J. Plasma metallization textiles as shields for electromagnetic fields. EMC Europe Hamburg, International Symposium on ISBN 978-1-4244-2737-6 pp.493-496, Hamburg, Niemcy, 2008.
13. Ziaja J, Koprowska J and Janukiewicz J. Using plasma metallisation for manufacture of textile screens against electromagnetic fields. *Fibres and Textiles in Eastern Europe* 2008; 16, 5(70): 64-66.
14. Koprowska J, Ziaja J and Janukiewicz J. Plasma metallization of textiles applied as barrier materials. 12th International Conference on Plasma Surface Engineering, Garmisch-Partenkirchen, Germany, 13-17 September, 2010.
15. Hansal WEG, Hansal S, Pölzler M, Kornherr A, Zifferer G and Nauer GE. Investigation of polysiloxane coatings as corrosion inhibitors of zinc surfaces. *Surface & Coatings Technology* 2006; 200: 3056-3063.
16. Wu KH, Chao CM, Yeh TF and Chang TC. Thermal stability and corrosion resistance of polysiloxane coatings on 2024-T3 and 6061-T6 aluminum alloy. *Surface & Coatings Technology* 2007; 201: 5782-5788.
17. Costantino G, Zeik DB and Clarson SJ. Improvement of the adhesion of silicone to aluminum using plasma polymerization. *Journal of Inorganic and Organometallic Polymers* 1994; 4: 425-430.

18. McCafferty E. Validation of corrosion rates measured by the Tafel extrapolation method. *Corrosion Science* 2005; 47: 3202-3215.
19. Souissi N, Sidot E, Bousselmi L, Triki E and Ribbiola L. Corrosion behaviour of Cu-10Sn bronze in aerated NaCl aqueous media – Electrochemical investigation. *Corrosion Science* 2007; 49: 3333-3347.
20. Robbiola L, Tran TTM, Dubot P, Majerus O and Rahmouni K. Characterisation of anodic layers on Cu-10Sn bronze (RDE) in aerated NaCl solution. *Corrosion Science* 2008; 50: 2205-2215.
21. Debiemme-Chouvy C, Ammeloot F and Sutter EMM. X-ray photoemission investigation of the corrosion film formed on a polished Cu-13Sn alloy in aerated NaCl solution. *Applied Surface Science* 2001; 174: 55-61.
22. Koprowska J, Dobruchowska E, Reszka K and Szwugier A. Influence of selected process conditions on morphology and shielding effectiveness of PP nonwovens modified with metallic layers. *Fibres and Textiles in Eastern Europe* 2015; 23, 5(113): 84-91.
23. Wang J, Xu Ch and Lv G. Formation process of CuCl and regenerated Cu crystals on bronze surface in neutral and acidic media. *Applied Surface Science* 2006; 252: 6294-6303.
24. Badawy WA, Ismail KM and Fathi AM. Effect of Ni content on the corrosion behaviour of Cu-Ni alloys in neutral chloride solutions. *Electrochimica Acta* 2005; 50: 3603-3608.
25. Colin S, Beche E, Berjoan R, Jolibois H and Chambaudet A. An XPS and AES study of the free corrosion of Cu-, Ni- and Zn-based alloys in synthetic sweat. *Corrosion Science* 1999; 41: 1051-1065.
26. Karpagavalli R and Balasubramaniam R. Development of novel brasses to resist dezincification. *Corrosion Science* 2007; 49: 963-979.
27. Mandal M, Singh D, Gouthama, Murty BS, Sangal S and Mondal K. Porous copper template from partially spark plasma-sintered Cu-Zn aggregate via dezincification. *Bulletin of Materials Science* 2014; 37: 743-752.