

10 Literatura

Reference

- [1] Morcillo, M. et al., Atmospheric corrosion data of weathering steels, A review. *Corrosion Science*, 77, 6-24, 2013.
- [2] Leygraf, CH., Odnevall Wallinder, I., Tidblad, J., Graedel, T. E., *Atmospheric corrosion*. Second edition. Hoboken, New Jersey: Wiley, 2016. ISBN 978-11-1876227-1
- [3] Kreislová, K., Knotková, D., *Korozní agresivita atmosféry a metody predikce atmosférické koroze*. Praha: SVUOM.Praha, 2014.
- [4] Koteš, P., Brodňan, M., Bahleda, F., Diagnostics of Corrosion on a Real Bridge Structure. *Advances in Materials Science and Engineering*, 2016.
- [5] Strieška, M., Koteš, P., Sedmak, A., Decreasing bridge members resistance due to reinforcement corrosion. *Procedia Structural Integrity*, Vol. 13, 1745-1750, 2018.
- [6] Bartoniček, R. a kol., *Koroze a protikorozní ochrana*. Academia Praha, 1966.
- [7] Černý, M. a kol., *Korozní vlastnosti kovových konstrukčních materiálů*. SNTL Praha, 1984.
- [8] Albrecht, P., Hall, T.T., Atmospheric corrosion resistance of structural steel. *Journal of Materials in Civil Engineering*, 15, 2-24, 2003.
- [9] Morcillo, M. et al., Weathering steels, *Corrosion Science*, 83, 6-31, 2014.
- [10] Morcillo, M., Chino, B., Alcántara, J., Díaz, I., Simancas, J., Fuente, D., Atmospheric corrosion of mild steel in chloride-rich environments. Questions to be answered. *Material and corrosion*, 66-9, 2015.
- [11] Křivý, V., Urban, V., Kubzová, M., Thickness of corrosion layers on typical surfaces of weathering steel bridges. *Procedia Engineering*, 56-62, 2016.
- [12] Odnevall Wallinder, I., Bahar, B., Leygraf, C., Tidblad, J., Modelling and mapping of copper runoff for Europe. *Journal of Environmental Monitoring*, 9, 66-73, 2007.
- [13] Knotková, D., Kreislová K., Changes in corrosion rates in atmospheres with changing corrosivity. Sborník 1. mezinárodní konference Corrosion and material protection, 1.- 4.10.2007, Praha, 2007.
- [14] Kreislová, K., Knotková, D., *Korozní chování kovů a kovových povlaků v atmosférickém prostředí*. SVUOM.Praha, 2014. ISBN 978-80-87444-08-5.
- [15] Krivy, V., Kubzova, M., Kreislova, K., Urban, V., Characterization of corrosion products on weathering steel bridges influenced by chloride deposition. *Metals*, 7 (9), 2017.
- [16] Dolling, CH., *Weathering steel bridges*, Construction and Industrial, 2005.

- [17] Fontana, M. G., Greene, N. D., *Corrosion Engineering*, McGraw-Hill Book Company, 1967.
- [18] ČSN EN ISO 9223: *Koroze kovů a slitin - Korozní agresivita atmosféry - Klasifikace, stanovení a odhad*, ČNI, 2012.
- [19] ČSN EN ISO 8565 (038110): *Kovy a slitiny. Atmosférické korozní zkoušky. Základní požadavky na staniční zkoušky*, ČNI, 2012.
- [20] Kreislova, K., Knotkova, G., *Atmosférická Koroze*. SVÚOM: Praha, Česká Republika, 2014. ISBN 978-80-87444-11-5
- [21] Lauenberger-Minger, A. U., Buchmann, B., Faller, M., Richner, P., Zöbeli, M., Dose-response functions for weathering steel, copper and zinc obtained from a four-year exposure programme in Switzerland, A review. *Corrosion Science*, 44, 675-687, 2002.
- [22] Multi-Assess Final Report. Dostupné na: <http://www.corr-institute.se/multi-assess/web/page.aspx>. (accessed 10 Feb 2017).
- [23] Kreislová, K., Knotková, D., Koukalová, A., Skořepa, J., Etapa 7 - Metody predikce životnosti konstrukcí z ocelí se zvýšenou odolností proti atmosférické korozi. SVUOM, Praha, 2010.
- [24] Feliu, S., Morcillo, M., Feliu, S. JR., The prediction of atmospheric corrosion from meteorological and pollution parameters, A review. *Corrosion Science*, 44, 675-687, 2002.
- [25] Kotes, P., Strieška, M., Brodňan, M., Odrobiňák, J., Gocál, J., Rapid tests of corrosion in corrosion chamber. IOP Conf. Series: Materials Science and Engineering, 365, 2018.
- [26] ČSN EN ISO 9224: *Koroze kovů a slitin - Korozní agresivita atmosféry. Směrné hodnoty pro stupně korozní agresivity*, ČNI, 2012.
- [27] ČSN EN ISO 9225: *Koroze kovů a slitin - Korozní agresivita atmosféry - Měření činitelů prostředí ovlivňujících korozní agresivitu atmosféry*, ČNI, 2012.
- [28] Houska, C., *Deicing Salt - Recognizing The Corrosion Threat*. TMR Consulting, Pittsburgh, PA USA.
- [29] Online mapa. Dostupné na: <https://mapy.cz/>
- [30] Zhang, Q. C., Wu, J. S., Wang, J. J., Zheng, W. L., Chen, J. G., Li, A. B., Corrosion behaviour of weathering steel in marine atmosphere, *Materials Chemistry and Physics*, 77, 603-608, 2002.
- [31] Ohya, M., Takebe, M., Hirose, N., Matsuura, H., Imai, A., Estimation of air-borne salts by use of wind direction and speed data, *Zairyo-to-Kankyo*, 63(11), 566-569, 2014.
- [32] Cano, H., Díaz, I., De la Fuente, D., Chico, B., Morcillo, M., Effect of Cu, Cr and Ni alloying elements on mechanical properties and atmospheric corrosion resistance of weathering steels in marine atmospheres of different aggressivities. *Materials and Corrosion*, 69(1), 8-19, 2018.

- [33] Morcillo, M., Alcántara, J., Díaz, I., Chino, B., Simancas, J., Fuente, D., Marine atmospheric corrosion of carbon steels. *Revista de Metalurgia*, 51(2), 2015.
- [34] Guo, X., Zhu, J., Kang, J., Duan, M., Wang, Y., Rust layer adhesion capability and corrosion behavior of weathering steel under tension during initial stages of simulated marine atmospheric corrosion. *Construction and Building Materials*, 2019.
- [35] Natori, T., Nishikawa, K., Murakoshi, J., Ohno, T., Study on Characteristics of Corrosion Damages in Steel Bridge Members. *Journal of JSCE*, 668/I-54, 299-311, 2001.
- [36] Johnson, J., Kowalski, G., Is Plain Water Washing Effective Enough – Chloride, Sulfate and Nitrate Salts on Bridges and Their Removal. *Journal of Protective Coatings and Linings*, 20, 9, 48-54, 2003.
- [37] Hara, S., Miura, M., Uchiumi, Y., Fujiawara, T., Yamamoto, M., Suppression of deicing salt corrosion of weathering steel bridges by washing. *Corrosion Science*, 47, 2419-2430, 2005.
- [38] Lottes, S. A., Bojanowski, C., *Computer Modeling and Analysis of Truck Generated Salt spray Transport Near Bridges*. Argonne National Laboratory, McLean, VA United States, 2013.
- [39] Crampton, D. D., Holloway, K. P., Assessment of Weathering Steel Bridge Performance and Development of Inspection and Maintenance Techniques. Transportation Research Board 94th Annual Meeting, Washington DC, United States, 2013.
- [40] Yamaguchi, E., Maintenance of weathering steel bridges. *Steel Construction Today Tomorrow*, 45:12-5, 2015.
- [41] Iwasaki, E., Scattering of deicing salt and corrosion of steel bridges. Challenges in Design and Construction of an Innovative and Sustainable Built Environment, 19th IABSE Congress Stockholm; 1436-1441, 2016.
- [42] Janas, P., Krejsa, M., Krejsa, V., *Přímý Optimalizovaný Pravděpodobnostní Výpočet*. Ostrava: VŠB - Technická univerzita Ostrava, 2015. ISBN 978-80-248-3798-7
- [43] Litschmannová, M., *Úvod do statistiky*. Ostrava, VŠB – TU Ostrava, Fakulta elektrotechniky a informatiky, 2011.
- [44] Krejsa, M., Janas, P., Krejsa, M., ProbCalc - účinný nástroj pro pravděpodobnostní výpočty. In: Structural and Physical Aspects of Civil Engineering, November 27-29, 2013, High Tatras, Štrbské Pleso, Košice: Technická univerzita Košice, 2013, s. 1-11. ISBN 978-80-553-1488-4
- [45] software HistAN 1.5.4.3, VŠB-Technická univerzita Ostrava, Fakulta stavební, 2004-2017, Petr Janas, Martin Krejsa, Vlastimil Krejsa.