

DAFTAR PUSTAKA

- [1] Olsson J., Snis M. Duplex - A new generation of stainless steels for desalination plants. *Desalination* 2007, 205, 104–113.
- [2] Chen T., Weng K., Yang J. The effect of high-temperature exposure on the microstructural stability and toughness property in a 2205 duplex stainless steel. *Mater. Sci. Eng. A* 2002, 338, 259–270.
- [3] M M.A., Shrikrishna K.A., Sathiya P., Goel S. The impact of heat input on the strength, toughness, microhardness, microstructure and corrosion aspects of friction welded duplex stainless steel joints. *J. Manuf. Process.* 2015, 18, 92–106.
- [4] Sato Y.S., Nelson T.W., Sterling C.J., Steel R.J., Pettersson C.-O. Microstructure and mechanical properties of friction stir welded SAF 2507 super duplex stainless steel. *Mater. Sci. Eng. A* 2005, 397, 376–384.
- [5] Corrosion Resistant Alloy R&D Department, Duplex Stainless Steel Welding Guidelines, Industrial Arcelor Mittal – 56 rue Clemenceau – 71201 LE CREUSOT. 2019. 12-13.
- [6] D. Arun, K. Devendranath Ramkumar, R. Vimala, Multi-pass Arc Welding Technique of 12mm Thick Super-Duplex Stainless Steel, *Journal of Material Processing Technology*, 2019.
- [7] I. Alvarez-Armas, Iris. II. Degallaix-Moreuil, Suzanne, Duplex Stainless Steel, John Wiley & Sons, Inc. TN757.C5D87 2009, ISBN 978-1-84821-137-7. Chapter 4, 141.
- [8] K. Devendranath Ramkumar, G. Thiruvengatam, et. al, Characterization of weld strength and impact toughness in the multi-pass welding of super-duplex stainless steel UNS 32750, *Journal Material and Design* 60 (2014) 125-135.
- [9] Prabhu Paulraj, Rajnish Garg, Effect of Intermetallic Phases on Corrosion Behavior and Mechanical Properties of Duplex Stainless Steel and Super-Duplex Stainless Steel, *Journal of Advances in Science and Technology*, Volume 9, Bo. 27. 2015. 87-105.

- [10] Vahid A. Hosseini, Leif Karlsson, et. al, Effect of Sigma Phase Morphology on the Degradation of Properties in a Super Duplex Stainless Steel. *Journal of Materials (MDPI)*. 2018. 11, 933.
- [11] Gláucio Soares da Fonseca, Phelipe Matias de Oliveira, et. al, Sigma Phase in Superduplex Stainless Steel: Formation, Kinetics and Microstructural Path. *Journal of Materials Research*. 2017. 20 (I). 249-255.
- [12] Ziyang Zhang, Hui Zhao, et. al. Microstructure evolution and pitting corrosion behavior of UNS S32750 super duplex stainless steel welds after short-time heat treatment. *Corrosion Science*. 2017.02.006.
- [13] Technical Marketing Resources Inc. of Pittsburgh. *Practical Guidelines for The Fabrication of Duplex Stainless Steels*. International Molybdenum Association. Pennsylvania, USA. 2001.
- [14] Reis G.S., Jr A.M.J., Balancin O. Influence of the microstructure of duplex stainless steels on their failure characteristics during hot deformation, 2. Materials and experimental procedures. *Mater. Res.* 2000, 3, 31–35.
- [15] Dominguez-Aguilar M., Newman R.C. Detection of deleterious phases in duplex stainless steel by weak galvanostatic polarization in alkaline solution. *Corros. Sci.* 2006, 48, 2560–2576.
- [16] Zucato I., Moreira M.C., Machado I.F., Giampietri S.M. Microstructural characterization and the effect of phase transformations on toughness of the UNS S31803 duplex stainless steel aged treated at 850 °C. *Mater. Res.* 2002, 5, 385–389.
- [17] Toor I.-H., Hyun P.J., Kwon H.S. Development of high Mn–N duplex stainless steel for automobile structural components. *Corros. Sci.* 50, 2008, 404–410.
- [18] García-García D.M., García-Antón J., Igual-Muñoz A., Blasco-Tamarit E. Effect of cavitation on the corrosion behaviour of welded and non-welded duplex stainless steel in aqueous LiBr solutions. *Corros. Sci.* 2006, 48, 2380–2405
- [19] Migiakis K., Papadimitriou G.D. Effect of nitrogen and nickel on the microstructure and mechanical properties of plasma welded UNS S32760 super-duplex stainless steels. *J. Mater. Sci.* 44, 2009, 6372–6383.

- [20] Karlsson L. Intermetallic phase precipitation in duplex stainless steels and weld metals: Metallurgy, influence on properties, welding and testing aspects. 1999.
- [21] Deng B., Wang Z., Jiang Y., Wang H., Gao J., Li J. Evaluation of localized corrosion in duplex stainless steel aged at 850°C with critical pitting temperature measurement. *Electrochim. Acta* 2009, 54, 2790–2794.
- [22] Merello R., Botana F.J., Botella J., Matres M.V., Marcos M. Influence of chemical composition on the pitting corrosion resistance of non-standard low-Ni high-Mn – N duplex stainless steels. *Corros. Sci.* 2003, 45, 909–921.
- [23] Cervo R., Ferro P., Tiziani A., Zucchi F. Annealing temperature effects on superduplex stainless steel UNS S32750 welded joints. II. Pitting corrosion resistance evaluation. *J. Mater. Sci.* 2010, 45, 4378–4389.
- [24] Park C.J., Rao V.S., Kwon H.S. Effects of sigma phase on the initiation and propagation of pitting corrosion of duplex stainless steel. *Corrosion* 2005, 61, 76–83.