

Advanced HiPIMS nanocrystalline and metallic-glass high Z coatings for interaction with liquid metals

D. Vavassori^{1*}, L. Bana¹, M. Bugatti^{1,2}, M.S. Galli De Magistris¹, D. Dellasega^{1,3}, M. Iafrati² and M. Passoni^{1,3}

¹ Politecnico di Milano, Department of Energy, via G. Ponzio 34/3, Milano, Italy

² Department of Fusion and Technology for Nuclear Safety and Security, ENEA, Via E. Fermi 45, Frascati, Italy

³ Istituto per la Scienza e Tecnologia dei Plasmi (ISTP) - CNR, via R. Cozzi 53, Milano, Italy

[1] P.F. Tortorelli et al., “*Corrosion by Liquid Metals*”. In Corrosion: Fundamentals, Testing, and Protection. ASM International (2003)

[2] D. Lundin et al., *High Power Impulse Magnetron Sputtering: Fundamentals, Technologies, Challenges and Applications*, Elsevier (2020)

[3] S. Roccella et al., J. Fus. Energy **39**, 462-468 (2020)

[4] P. Rindt et al., Fus. Eng. Des. **173**, 112812 (2021)

*Corresponding author: D. Vavassori; address: Via Ponzio 34/3, 20133, Milan, Italy; telephone: +39 02 2399 6347; e-mail: davide.vavassori@polimi.it