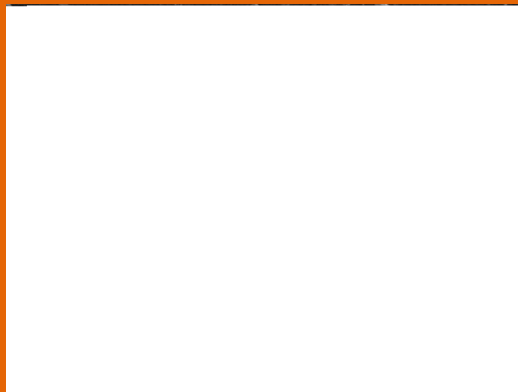
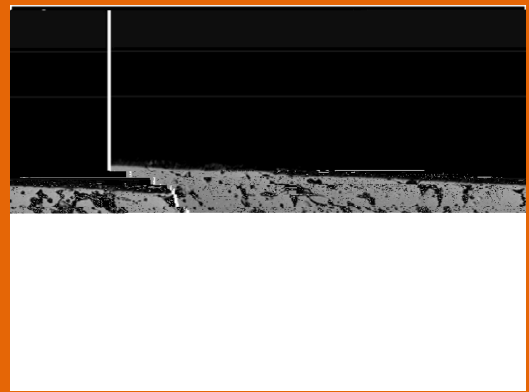


Fig.3 - Corrosion rate of the samples after 28 days of immersion in a 3.5% NaCl solution (A. 28, A(1)).



(A)



(B)

Fig.4 - Cross-section of the samples after 625 days of immersion in a 3.5% NaCl solution (A. 625, A(1)) (A) and after 625 days of immersion in a 3.5% NaCl solution (B. 625, B(1)) (B).

Fig.4 - Cross-section of the samples after 625 days of immersion in a 3.5% NaCl solution (A. 625, A(1)) (A) and after 625 days of immersion in a 3.5% NaCl solution (B. 625, B(1)) (B). The images show the internal structure of the samples after long-term immersion. The porous structure is clearly visible in both (A) and (B).

(A) shows a porous structure with a relatively uniform distribution of pores. (B) shows a porous structure with a more irregular distribution of pores and some larger voids.

The images are labeled with 'A' and 'B' in the top right corner, corresponding to the conditions described in the caption.

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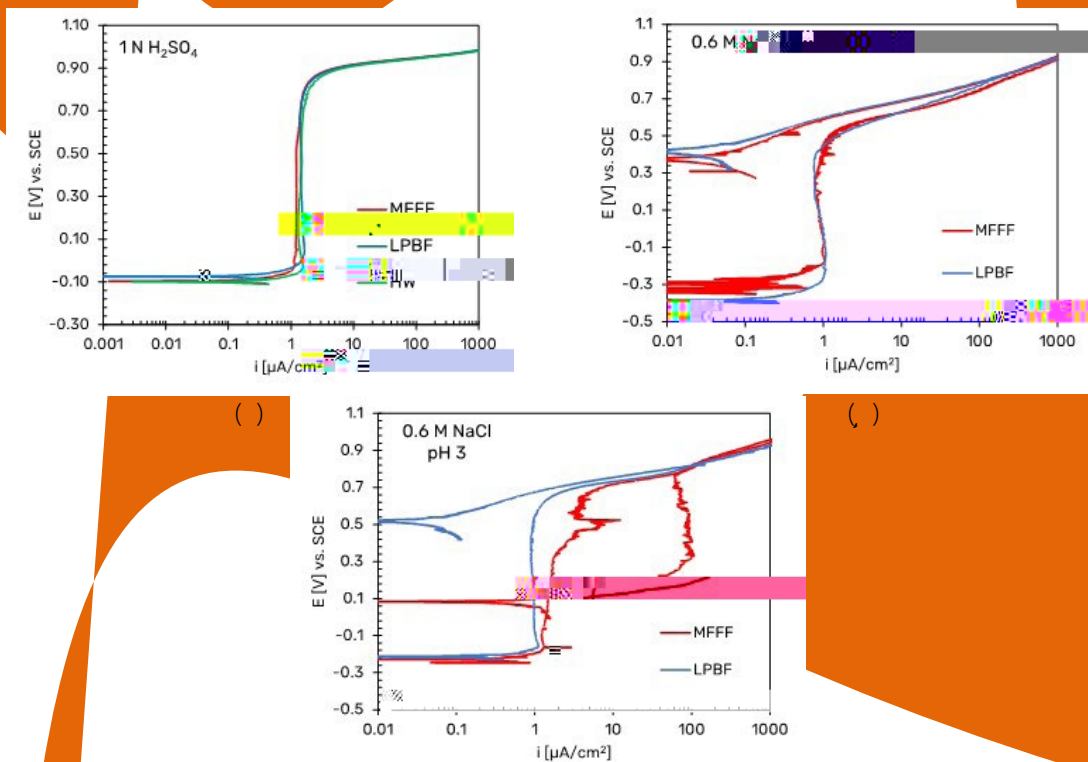


Fig.5 -

Electrochemical plots showing E [V] vs. SCE vs. i [$\mu\text{A}/\text{cm}^2$] for 1N H_2SO_4 , 0.6 M NaCl pH 3, and 0.6 M NaCl. Each plot compares MFFF and LPBF methods.

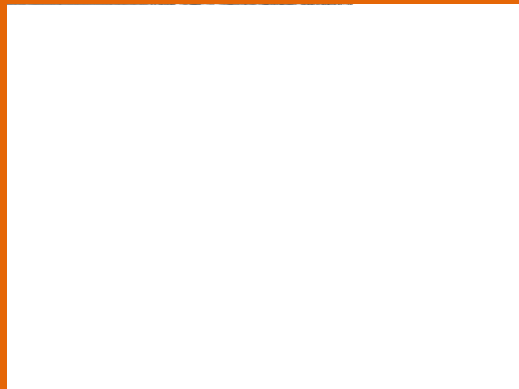


Fig.6 -

Electrochemical plots showing E [V] vs. SCE vs. i [$\mu\text{A}/\text{cm}^2$] for 1N H_2SO_4 , 0.6 M NaCl pH 3, and 0.6 M NaCl. Each plot compares MFFF and LPBF methods.

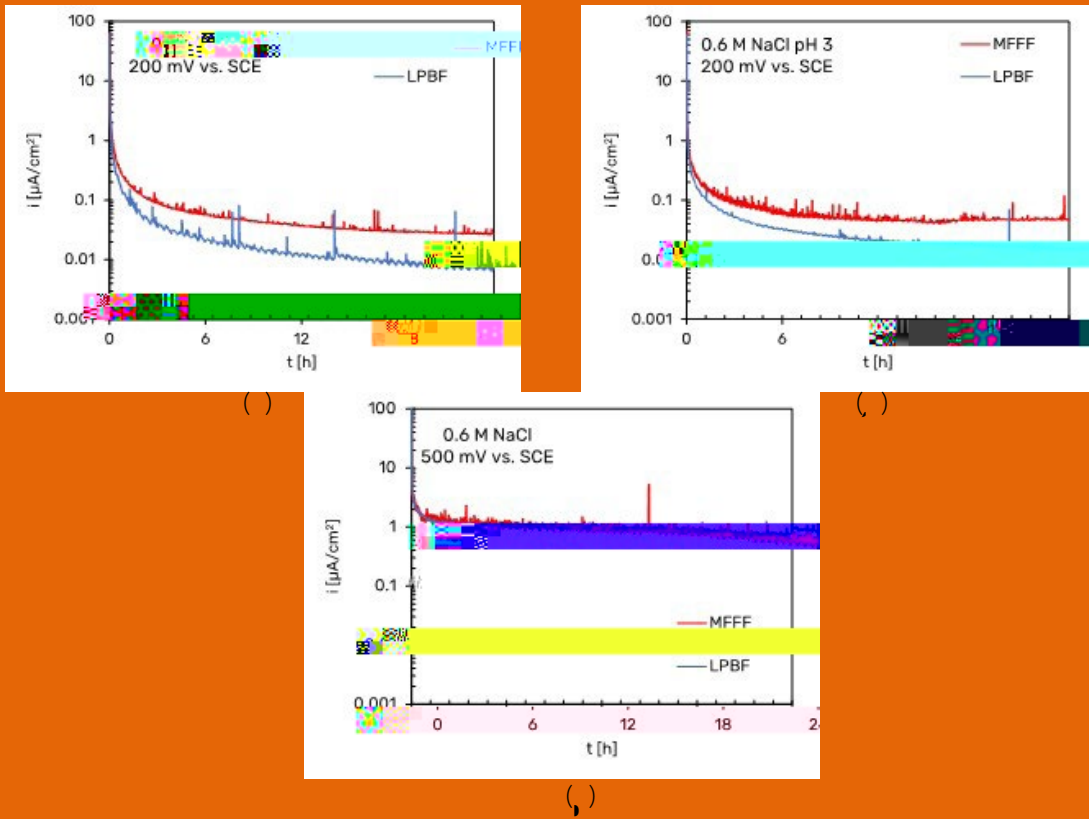


Fig.7 - (a) i [$\mu\text{A}/\text{cm}^2$] vs. t [h] for 200 mV vs. SCE in 0.6 M NaCl pH 3. MFFF (red) and LPBF (blue) curves are shown. The y-axis ranges from 0.001 to 100, and the x-axis from 0 to 12. (b) i [$\mu\text{A}/\text{cm}^2$] vs. t [h] for 200 mV vs. SCE in 0.6 M NaCl pH 3. MFFF (red) and LPBF (blue) curves are shown. The y-axis ranges from 0.001 to 100, and the x-axis from 0 to 6. (c) i [$\mu\text{A}/\text{cm}^2$] vs. t [h] for 500 mV vs. SCE in 0.6 M NaCl. MFFF (red) and LPBF (blue) curves are shown. The y-axis ranges from 0.001 to 100, and the x-axis from 0 to 24.

Fig.7 (a) i [$\mu\text{A}/\text{cm}^2$] vs. t [h] for 200 mV vs. SCE in 0.6 M NaCl pH 3. MFFF (red) and LPBF (blue) curves are shown. The y-axis ranges from 0.001 to 100, and the x-axis from 0 to 12. (b) i [$\mu\text{A}/\text{cm}^2$] vs. t [h] for 200 mV vs. SCE in 0.6 M NaCl pH 3. MFFF (red) and LPBF (blue) curves are shown. The y-axis ranges from 0.001 to 100, and the x-axis from 0 to 6. (c) i [$\mu\text{A}/\text{cm}^2$] vs. t [h] for 500 mV vs. SCE in 0.6 M NaCl. MFFF (red) and LPBF (blue) curves are shown. The y-axis ranges from 0.001 to 100, and the x-axis from 0 to 24.

(14).

625, +500 \rightarrow C

CONCLUSION

A 625 BP PPP

625, PPP

REFERENCES

- 1 A. ... A. ... 28-02(2015): ... C...
- 2 A. ... A. ... 5-14(2021): ... A...
- 3 A. ... A. ... 625 ... 2016] ... 1;233:1 8.
- 4 ... 2009 A ... ;51(8):1702 6.
- 5 B. ... B. ... A. ... 2005, ... 2005. 2005 ... 17;
- 6 A. ... B. ... B. C. ... 625 ... 2004] ... 1;51(1):59 63.
- 7 B. ... 2019 A ... 1;5(4):702 20.
- 8 C. ... C. ... B. ... B. ... C. ... A. ... 625 ... 2019] ... 12;166(11):C3399 408.
- 9 C. ... C. B. ... B. ... C. ... A. ... 625 ... 2019, ... 12, ... 1742. 2019 ... 29;12(11):1742.
- 10 A. ... A. ... B443-19: ... -C. ... A. ... N. ... C. ... A. ... 2019; A. ... : // ... = / 0443-19.
- 11 625. A. ... : // ... = / -625.
- 12 A. ... A. ... B446-19: ... -N. ... -C. ... A. ... (N. N. 06625), ... -C. ... A. ... (N. N. 06219), ... -C. ... A. ... (N. N. 06650) ... B. ... 2019; A. ... : // ... = / 0446-19.
- 13 C. ... C. ... B. ... C. ... A. ... 625 ... 19: 1600635, 2016. ... : // ... = / 10.1002/ ... 201600635
- 14 C. ... G. ... A. ... 2019] ... 1;23(3):129 41.