

Rome, 05/02/2019

TO WHOM IT MAY CONCERN

SUBJECT: Validation of MACSTARS W 4.0 software

This is to declare that the comparative checks made with both hand calculations and other commercial software (Plaxis, SlopeW, Geo5, Slide, GGU Stability, ReSSA+: see bibliography) have shown that the software MACSTARS W 4.0 developed by Officine Maccaferri S.p.A. for the design and check of reinforced soil structures is fully reliable and its numerical results are comparable both static and seismic condition (range of difference 0-10%) with those of the above referred software.

MACSTARS W 4.0 software faithfully reproduces the equations presented in the Reference Manual and is considered appropriate for engineering practice.

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BIBLIOGRAFY

- 1) MacStar W 4.0 - Reference Manual. Maccaferri (2018)
- 2) Plaxis 2D- Reference Manual. Plaxis software (2017)
- 3) Geo5 - geotechnical software suite Engineering Manuals. Finesoftware (2017)
- 4) SlopeW - Reference Manual. Geoslope (2012)
- 5) GGU Stability – Reference Manual. GGU software (2017)
- 6) ReSSA+ - Reference Manual. Adama Engineering (2018)

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