

5480206 RETAINING WALL SYSTEMS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comment: (12-5-13)

548-2.6.2, third paragraph: Add highlighted text.

Ensure that the material is non-plastic, as determined by AASHTO T90, and the liquid limit as determined by AASHTO T89 is less than 15. The pH, as determined by FM 5-550, shall not be lower than 5.0 and not higher than 9.0. ~~The Engineer may approve~~ Sources of select backfill material having a pH between 4.5 and 5.0 for walls utilizing metallic reinforcement and between 3.0 and 5.0 for walls utilizing geosynthetic reinforcement ~~with~~ no metallic elements or pipes placed within the backfill, as determined by FM 5-550, may be used provided the interior face of the MSE wall panels have 3 inches of concrete cover over the reinforcement and the concrete used in the panels contains the following ingredients and proportions:

Response:

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Comment: (12-30-13)

The mix design with 50% to 60% cement replaced with slag does not provide the required overnight strength. Due to this constraint, to my knowledge this mix design has never been used before. A possible solution would be to replace the slag with another form of corrosion inhibitor similar to what was used in index 5300.

Response:
