

SESSION 2: CLASSIFICATION AND DEFINITION OF MICROPILE TYPES

CONCLUSIONS

- several existing definitions for “micropile”
 - definitions and classifications can be based on
 - Installation method
 - Material
 - Dimensions and cross-sectional shape
 - Geotechnical bearing properties (base, shaft,...)
 - “Additional treatment” (grouting etc.)
 - classification systems
 - FHWA classification based on drilling and grouting
⇒ drilled and grouted small diameter piles
 - EN classification based on small diameter
⇒ small diameter piles
 - the definition of pile diameter
 - Structural diameter ⇒ structural dimensioning
 - Geotechnical diameter ⇒ geotechnical dimensioning
 - typical features of micropile?
 - Small diameter
 - Often high bearing capacity compared to cross-section
 - Minimum soil displacement even with small diameter displacement piles
 - Often low headroom and restricted access conditions
 - Various installation methods and their combinations
 - Load transfer structures from superstructure to piles
- ⇒ **The existing scope of EN-standard acceptable to cover the prevailing practice at least in European countries**

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