

Summary of Decisions of the Structural Engineering Committee
SEC Meeting 9/2022 held on 9.8.2022

Case 14/2022

Issue: Socketed H-pile on Grade III or better Meta-Sedimentary Rock (Meta-Siltstone)

Recommendation: To accept the design parameter and founding criteria for the design of socketed H-pile (Grade S450J0 (Class 1) 305x305x223 kg/m) socketed in Grade III or better meta-sedimentary rock (i.e. meta-siltstone).

Decision: Having noted the background information, members endorsed the recommendations on a case-by-case basis subject to the following conditions:

- (a) The founding rock materials should satisfy the acceptance criteria as below:

		Value
Design Parameter	Allowable Bond Strength between Rock & Grout (Under compression or transient tension)	250kPa
Acceptance Criteria for Meta-Siltstone	Uniaxial Compressive Strength (UCS)	Min. 25MPa
	Point Load Index (PLI ₅₀)	Min. 1MPa
	Total Core Recovery (TCR)	Min. 85%

- (b) The results of the proof tests on the trial piles and performance review report should also be found satisfactory.