

Summary of Decisions of the Structural Engineering Committee
SEC Meeting 1/2016 held on 19.1.2016 and 6/2016 held on 26.5.2016

Case HD 01/2016

Issue: Use of Tyfo Fibrwrap SEH51A Composite in existing reinforced concrete slab to meet the additional imposed loading requirement.

Recommendation: To accept the use of the Tyfo Fibrwrap SEH51A Composite, which is a proprietary system of glass fibre reinforced polymer reinforcement (FRP), designed to strengthen the existing reinforced concrete floor slab. The increase in the ultimate flexural resistance of the strengthened slab is limited to not exceeding 10% of the original ultimate design resistance of the slab.

Decision: Having noted the background information and arguments together with the supplementary information provided in meeting 6/2016, members endorsed the Recommendation of using the proposed FRP on this particular project basis for enhancement of ultimate flexural resistance of the slab limited to 10% of the original ultimate design resistance for the floor slab of the above proposed Structural(A&A) works.