

**ABSTRACT****RIB FOR SUPPORTING AND REINFORCING AN EXCAVATION**

The present invention relates to a rib (1) for supporting and reinforcing an excavation. The invention also relates to a structure and to a method for supporting and reinforcing an excavation. The rib (1) according to the invention comprises at least a structural element (5A) provided with a tubular body (6), preferably with a circular cross section, which defines an inner cavity (9A) adapted to be completely filled with concrete after installation of the rib. The structural element is provided with a filling device (7) operatively couplable to concrete injection means.

Fig. 1