

ABSTRACT

STEEL MATERIAL FOR UNDERGROUND CONTINUOUS WALL, METHOD FOR
PRODUCING STEEL MATERIAL FOR UNDERGROUND CONTINUOUS WALL,
UNDERGROUND CONTINUOUS WALL, AND METHOD FOR CONSTRUCTING
UNDERGROUND CONTINUOUS WALL,

A steel material for an underground continuous wall (1) in one embodiment is equipped with a hat type steel sheet pile (2) and an H-section steel (6), wherein a dimension (L2) of the H-section steel in the length direction is shorter than a dimension (L1) of the hat type steel sheet pile in the length direction, an overall length of the H-section steel is arranged with the dimension of the hat type steel sheet pile, and a rear end (20) of the H-section steel is located closer to a forward end side than a rear end (18) of the hat type steel sheet pile. In a steel material for an underground continuous wall in another embodiment, a position of the rear end of the hat type steel sheet pile coincides with a position of the rear end of the H-section steel in the length direction, a forward end (21) of the H-section steel is located closer to the rear end side than the forward end (19) of the hat type steel sheet pile, and a separation length (B) between the forward end of the hat type steel sheet pile and the forward end of the H-section steel is not more than 35% of the overall length of the steel material for the underground continuous wall in the length direction. In the method for producing the steel material for an underground continuous wall, the hat type steel sheet pile and the H-section steel are secured to each other by welding. The underground continuous wall is constructed using a plurality of steel materials for an underground continuous wall. The method for constructing the underground continuous wall uses a plurality of steel materials for an underground continuous wall.