

Sheet pile wall system consists of Larssen-profile steel sheet piles joined by lock joints to form a continuous wall, wherein outer surface of each pile features multi-layer anti-corrosion coating, specifically layer of hot-dip galvanizing followed by a layer of epoxy resin. Lock joints between piles are sealed with hydrophilic polymer cord designed with the possibility of swelling upon contact with water, and are further sealed with bitumen-rubber sealant to ensure the watertightness of wall.