

ABSTRACT

TITLE

STEEL SHEET PILE AND PRODUCTION METHOD THEREFOR

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Provided is a high-strength and high-toughness steel sheet pile stably with high productivity. A steel sheet pile comprises: a predetermined chemical composition; a microstructure that is a ferrite-based microstructure and in which an average grain size of ferrite is 15 μm or less, a maximum grain size of ferrite is 40 μm or less, and an area ratio of martensite-austenite constituents with respect to the microstructure is 1.0 % or less; a yield stress of 440 MPa or more; and $v\text{Trs}$ of -10 $^{\circ}\text{C}$ or less.

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(FIG. 1)