

METHOD OF FORMING RUSTPROOF FILM ON PC STRAND AND PC STRAND
ABSTRACT

5 In a method of forming a rustproof film on a PC strand, the thickness of the resin film is
set to $200 \pm 80 \mu\text{m}$, the pre-heating is performed within a temperature range from 60 to 150°C to
prevent an occurrence of a cob-webbing phenomenon as a result of melting of the synthetic resin
powder coating material and the post-heating is performed within a range from 150 to 250°C in
order to uniformize the thickness of the coats adhered to the outer peripheral surfaces of the core
wire and the surrounding wires, and the temperature of the pre-heating is set to be lower than the
10 temperature of the post-heating, and the synthetic resin powder coating material including
particles having diameters in a range from 0.1 to 250 μm is used, and the line speed in the series
of steps is set to 5 to 10 m/min.

Fig. 8