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**FOR HORIZONTAL OVERHANGS**

\[ P_h = S_h \cot \alpha \]

or

\[ S_h = P_h \tan \alpha \]

Where:

\[ \tan \alpha = \frac{\tan \beta}{\cos \theta} \]

\( \alpha \) = profile angle for given sun conditions (\( \beta, \phi \)) and facade orientation (\( \psi \)).

**FOR VERTICAL FINS**

\[ P_v = S_w \cot \theta \]

or

\[ S_w = P_v \tan \theta \]

Where

\[ \theta = \phi - \psi \]

\( \theta \) = horizontal solar angle for given sun conditions (\( \beta, \phi \)) and facade orientation (\( \psi \)).