

# Structural task

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# Why won't the structural calculations work for my project?

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Not all combinations of roof material types and mounting systems have structural calculations in Easy PV since the calculations are based on information provided by MCS in [MIS 3002](#).

If you are unable to complete structural calculations in Easy PV you will need to consult a structural engineer.

# Why are the weight loading calculations failing for my plain tile roof?

Weight loading calculations will often fail for plain tile roofs. This is because we use MCS default values for the tile weight, and the value for plain tiles is much higher than other roof coverings. If you are finding your calculations are failing when you don't expect them to, you can get a tile from the exact roof and measure the  $\text{kg/m}^2$  to replace this value:

**Roof South**

Weight of solar array  kg

Area covered by solar array   $\text{m}^2$

Weight of mounting structure  kg

**Weight of roof covering   $\text{kg/m}^2$**

Permitted dead load   $\text{kN/m}^2$

Calculate snow loading?  ▾

If the calculations are still failing, you will then need to consult a structural engineer.