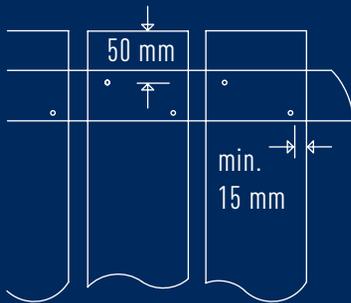


# Recommendation for the construction

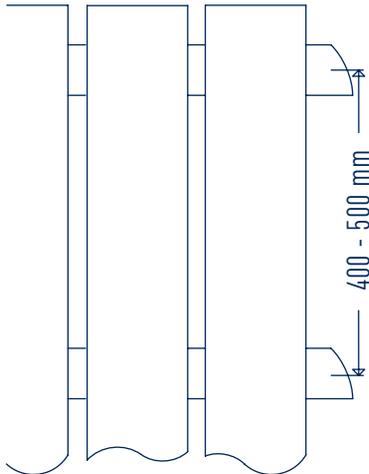


During assembly, wood moisture should be  $16\% \pm 2\%$ !

The **fastening distance** to the cross-grained wood end should be between a minimum of 50 mm and a maximum of 100 mm!

Wood types with a high content of tannic acid may cause corrosion and darkening of coated screws due to chemical reactions.

**As a matter of principle, only stainless high-grade steel should be used for fasteners in terrace construction!**



The **axial distance** of the substructure has to be accurately coordinated with the timber supplier. We recommend the following:

Thermowood: 400 - 450 mm

Tropical wood: 400 - 450 mm

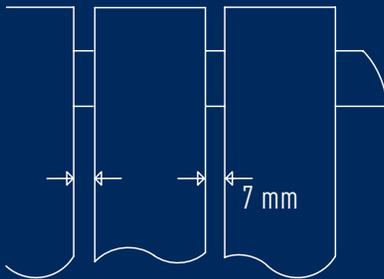
Larch wood: 400 - 500 mm!

Short axial distances ensure that warping of single terrace floorboards caused by swelling and shrinking is kept within a limit and the terrace surface remains flat and stumble-free.

In the absence of structural wood protection, damage as shown below can occur within a short period of time:



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**Gaps** between floorboards of 90 - 120 mm width should be at least 7 mm wide!

For wider boards we recommend a gap width of 6% of the floorboard width.



The **gap between terrace floorboards and substructure** should be at least 6 mm to ensure ventilation of the terrace and to prevent capillary action.

**Junctures** should never be on the substructure and should have a gap of at least 7 mm. Floorboard junctures on the substructure would lead to increased moisture uptake and subsequent damage!

**Contact between the foundation and the substructure** must always be avoided! The gap between substructure and foundation must be at least 30 mm to prevent damage caused by moisture!

