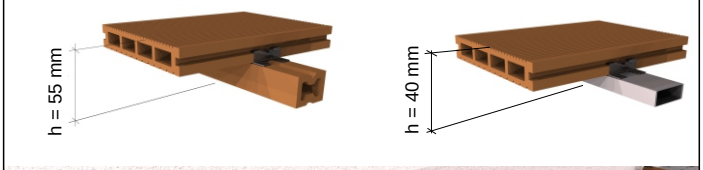
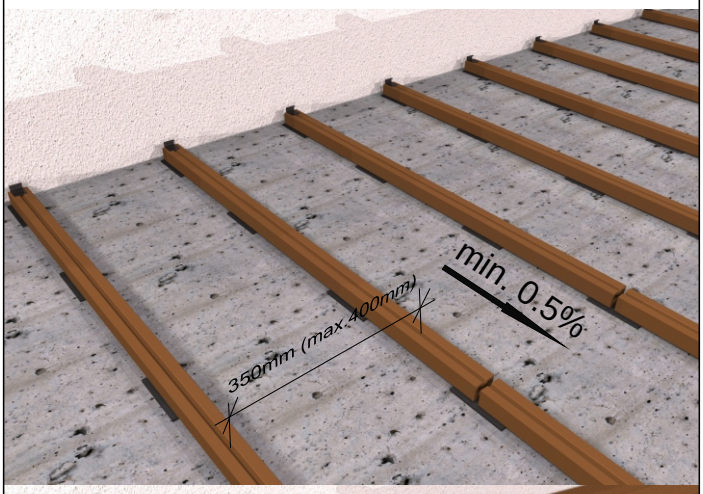
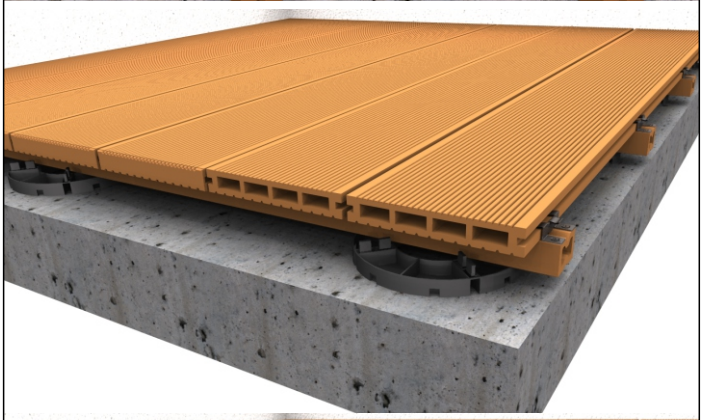
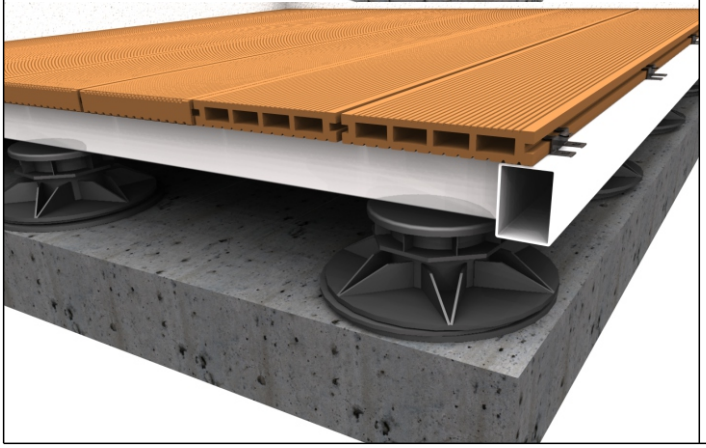
base: CONCRETE SLAB (PAVING)











Laying the substructure and decking boards

- for this type of base a WPC substructure 40x30x2200 mm is normally used (total build-up height approx. 55–60 mm depending on the flatness of the base; with AL 40x15 mm joists the total height is approx. 40 mm)

- concrete (paving) with a minimum fall away from the house

- if the paving is damaged, remove loose tiles and level unevenness with plastic or rubber shims

- joists must not be embedded directly in concrete

- decking boards must not be laid directly on the base, to allow air circulation

- the optimum centre-to-centre spacing of the joists is 350 mm (max. 400 mm)

- joists must also be placed wherever decking boards are joined end to end

- the expansion gap between WPC joists, and between joists and the wall, is 10 mm

- anchor the joists to the base with hammer-in anchors every 500 mm (especially around the perimeter of the terrace)

- for higher load capacity (e.g. a hot tub, air-conditioning units, ...) the joist spacing must be reduced accordingly

- it is important that the joists form a level plane, which is essential for trouble-free laying of the decking boards

- start laying the decking boards with a starter clip on each joist, then lay the first board and continue with mounting clips

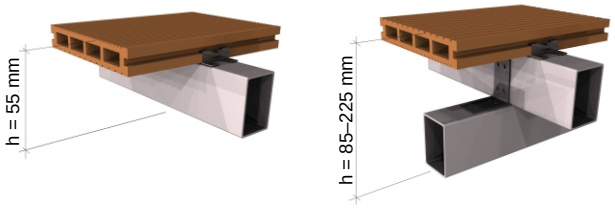
- pay attention to expansion gaps both between boards joined end to end and between the boards and the wall
- set the gaps according to the temperature during installation

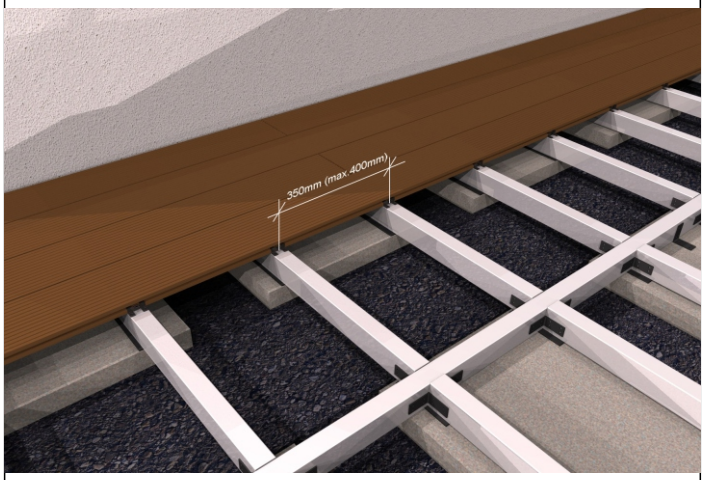
- the gap between individual boards is set by the clip used (2, 4 mm – stainless clips, 5 mm – plastic clips)

- to achieve a greater/lower height, use AL or pressure-treated timber joists in combination with fixed and adjustable pedestals

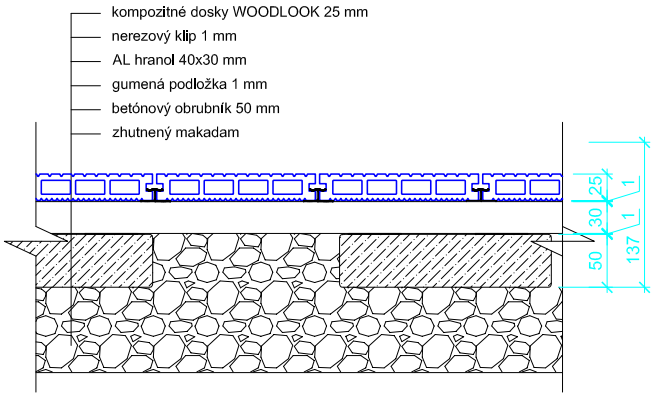
note:
- recommended screws: clip – stainless screw 4x20 mm, joist – hammer-in anchor 6x60, 8x80, 8x100 mm, trims – stainless screw 3.5x38 mm
- when fixing decking boards or trims directly with a screw (3.5x38 mm) without a clip, the holes must be pre-drilled
- to make the decking boards expand in one direction only, we recommend fixing each board firmly at one point on its side with a 3.5x38 mm screw

base: GRAVEL BED

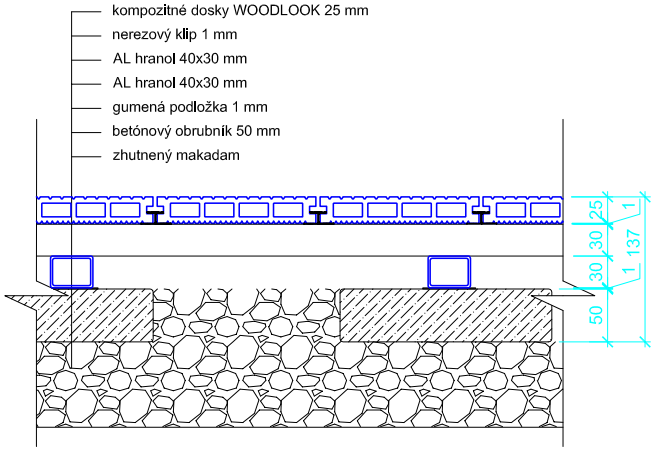




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Laying the substructure and decking boards

- for this type of base an AL substructure 40x30x3000 mm is normally used (total build-up height approx. 55–60 mm)

- the base is a well-compacted gravel bed (lower layer coarser fraction – 16, upper layer finer fraction – 8)

- when laying the joists on concrete footings or kerbs, keep them 0.5 m apart.

- the optimum centre-to-centre spacing of the joists is 350 mm (max. 400 mm)

- joists must also be placed wherever decking boards are joined end to end

- connect the AL joists crosswise with connecting brackets every 1.5 m, or at the joints of the AL joist sections (every 3 m)

- for higher load capacity (e.g. a hot tub, air-conditioning units, ...) the joist spacing must be reduced accordingly

- it is important that the joists form a level plane, which is essential for trouble-free laying of the decking boards

- start laying the decking boards with a starter clip on each joist, then lay the first board and continue with mounting clips

- pay attention to expansion gaps both between boards joined end to end and between the boards and the wall
- set the gaps according to the temperature during installation

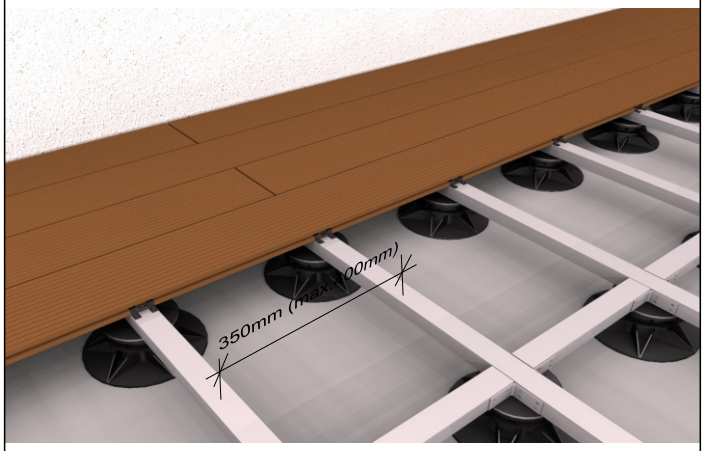
- the gap between individual boards is set by the clip used (2, 4 mm – stainless clips, 5 mm – plastic clips)

- to achieve a greater/lower height, use AL or pressure-treated timber joists in combination with fixed and adjustable pedestals

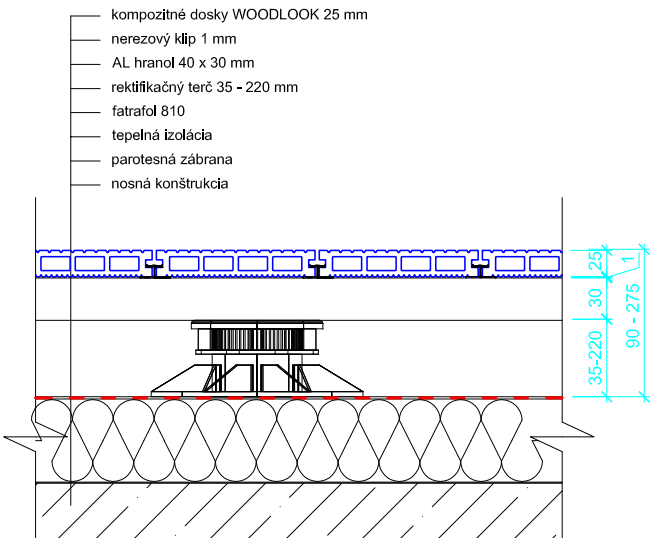
note:
- recommended screws: clip – stainless screw 4x20 mm, joist – hammer-in anchor 6x60, 8x80, 8x100 mm, trims – stainless screw 3.5x38 mm
- when fixing decking boards or trims directly with a screw (3.5x38 mm) without a clip, the holes must be pre-drilled
- to make the decking boards expand in one direction only, we recommend fixing each board firmly at one point on its side with a 3.5x38 mm screw

base: WATERPROOFING
(FATRAFOL, SIKAPLAN ...)

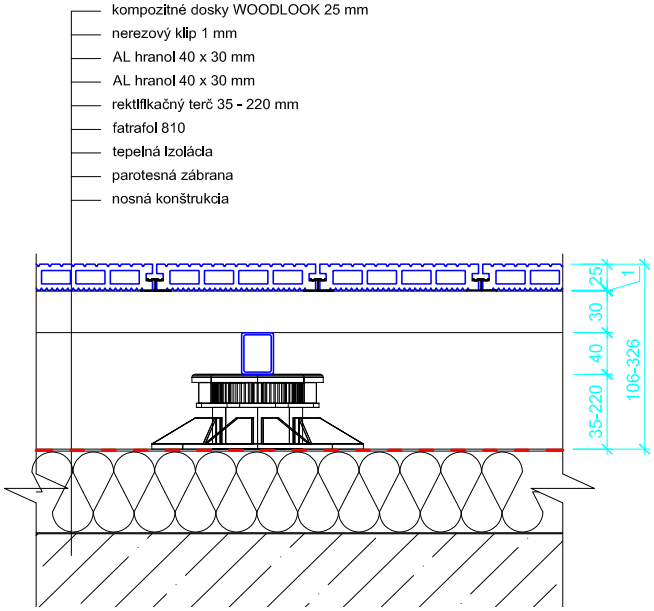




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Laying the substructure and decking boards

- for this type of base an AL substructure is normally used: 40x30x3000 mm or 60x40x3000 mm and 100x50x3000 mm in combination with 2 mm plastic shims, 3 mm rubber shims, 14 mm fixed pedestals and adjustable pedestals with heights of 35–220 mm to reach the required floor level and level out the fall.

- connect the AL joists crosswise with connecting brackets every 1.5 m, or at the joints of the AL joist sections (every 3 m)

- support the AL substructure connected with brackets on pedestals of suitable height at least every 600 mm (AL 40x30 mm)

- the optimum centre-to-centre spacing of the joists is 350 mm (max. 400 mm)

- joists must also be placed wherever decking boards are joined end to end

- for higher load capacity (e.g. a hot tub, air-conditioning units, ...) the joist spacing must be reduced accordingly

- it is important that the joists form a level plane, which is essential for trouble-free laying of the decking boards

- start laying the decking boards with a starter clip on each joist, then lay the first board and continue with mounting clips

- pay attention to expansion gaps both between boards joined end to end and between the boards and the wall – set the gaps according to the temperature during installation

- the gap between individual boards is set by the clip used (2, 4 mm – stainless clips, 5 mm – plastic clips)

- to achieve a greater/lower height, use AL or pressure-treated timber joists in combination with fixed and adjustable pedestals

note:
- recommended screws: clip – stainless screw 4x20 mm, joist – hammer-in anchor 6x60, 8x80, 8x100 mm, trims – stainless screw 3.5x38 mm
- when fixing decking boards or trims directly with a screw (3.5x38 mm) without a clip, the holes must be pre-drilled
- to make the decking boards expand in one direction only, we recommend fixing each board firmly at one point on its side with a 3.5x38 mm screw