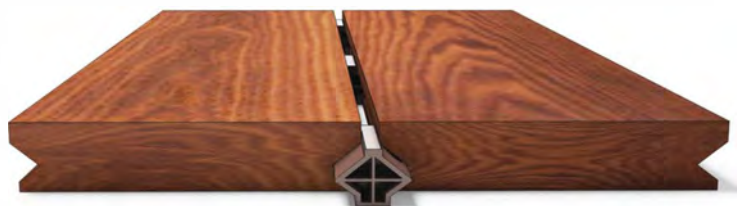
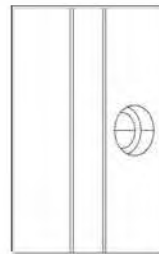


AU-MEX DECKING SOLUTIONS - CLIPS SYSTEM



AU-MEX DECKING SOLUTIONS - CLIPS SYSTEM

Au-mex thermowood deckings are 100% natural solid materials having their own unique features, including no chemicals with proved quality for all weather conditions. These materials should be applied and maintained properly in order to achieve a long product lifespan. Application solutions offered by our company are listed below.

Application surface;

- Application ground should be dry and rigid
- The ground surface should be even and gauged
- The surface should have an appropriate slope to avoid water accumulation on the surface (under the decking) and to allow water flow in the desired direction.
- In case of concrete surface, liquid insulation is recommended to prevent water absorption.
- In case the ground is insulated, necessary measures should be taken in order to avoid perforating the insulation material.

Underconstruction (Carcassing);

Underconstruction is the foundation of deck application. There selection of materials is of great importance.

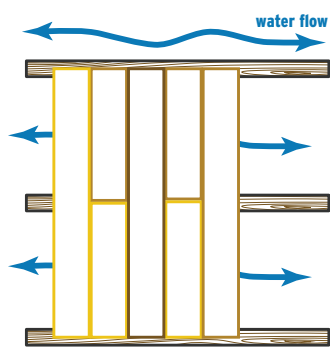


- The space between the ground and the decking is recommended to be minimum 40 mm. The required air circulation will be achieved thanks to this space.

AU-MEX DECKING SOLUTIONS - CLIPS SYSTEM

- Underconstruction should be installed so as to avoid contact with soil.

- The correct deck application starts with the selection of the right underconstruction. Therefore, deck and underconstruction of the products having the same humidity value will ensure that bending/swelling principles of the materials are at the same level .



- Underconstructions should be installed in parallel to water flow direction.



- In case a construction material (aluminum, steel, galvanized iron etc.) other than wood is used, it is recommended to use a wood carcassing on top of this construction material to avoid different working principles.

- It is recommended that the underconstructions which are to support the decks are being chosen from Thermowood products as well.

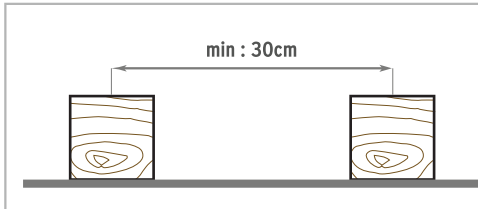


- It should be ensured that the underconstruction is at the same level.



- The Underconstruction should be fixed on the ground with stainless steel screws with high torsion power.

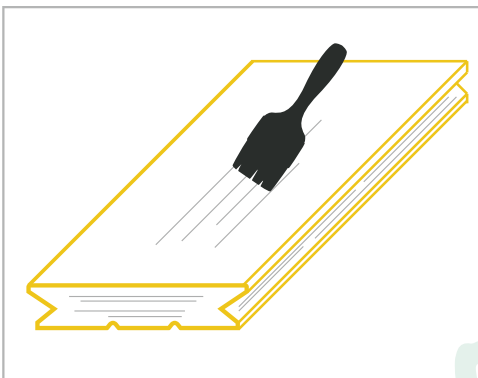
- In case the ground is water insulated, the underconstruction should be fixed to the ground with epoxide or polyurethane glue.



- Underconstructions should be installed at the following intervals in order to prevent the decks from bending and braking:

Wood Specie	Deck thickness	Underconstruction interval
Thermowood Pine	26 cm	40 cm
Thermowood Ash	21 cm	30 cm
Thermowood Ash	25 cm	50 cm
Thermowood	20 cm	30 cm

Deck application;



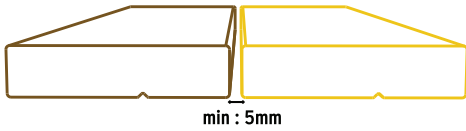
- It is recommended that all 6 sides of the decks are oiled with an oil based preservative before starting the application. When required, decks can be obtained from Thermowood as oiled on all 6 sides).

Benefits of oiling :

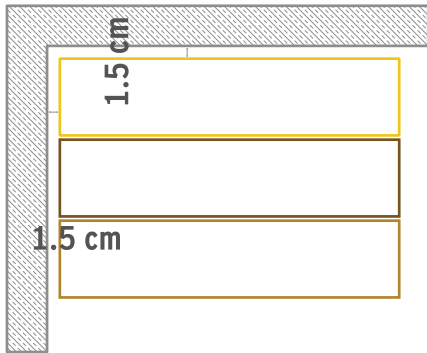
- Improves the resistance of checkings formed on the surface.
- Delays color fading caused by UV lights.
- Prevents stains formed due to spilling of liquids (coke, tea etc.) on the surface.
- Oiling the head joists of the deckings prevent head splits that may occur in time.
- Prevents stains on the surface caused by raindrops.

- It is recommended to oil the cut parts of the decks during the application.

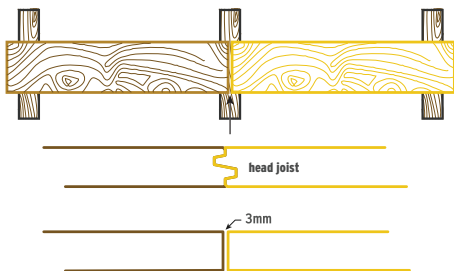
AU-MEX DECKING SOLUTIONS - CLIPS SYSTEM



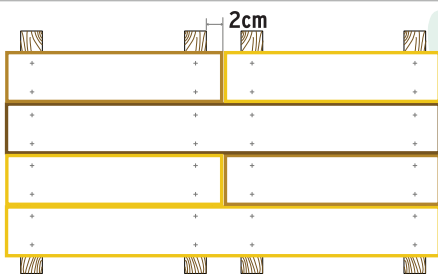
- The minimum space between deckings should be minimum 5 mm. With Thermowood clips, this space is provided automatically.



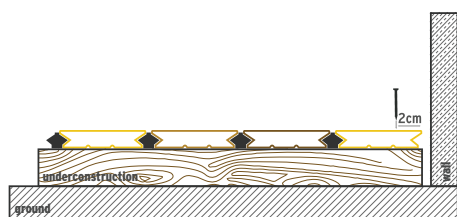
- In case wood parts merge with walls or other surfaces, 1,5 cm space should be left on the head parts, and on the edges as well.



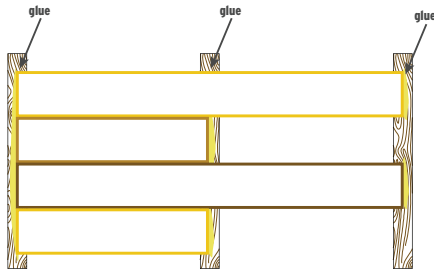
- Thermowood head joist application is recommended on the head parts of the decks. Where head joisting is not performed, 3 mm space should be left as a distance.



- In case Thermowood head joist application is performed instead of leaving space on the head parts of the decks, it is recommended that decks should be 2 cm longer than underconstructions in order to keep head parts of the decks dry.



- In clipping deck application, the non clipped edges of the first and last decks should be fixed by screwing them from the top. These screws should be driven at 2 cm indent from the endpoint of the wood



- It is recommended that the underconstruction and deckings are glued together at their merging point in order to prevent.

- Second or third layer of oil should be applied to the surface of the wood following the completion of deck application. Technical specifications provided by producer or distributor should be taken into consideration when applying preservatives.

- The screws to be used in deck application should be stainless steel.

- In applications without clipping, high torsion screws can be preferred to prevent pre-drilling. Otherwise, pre-drilling is required for hardwood materials.

After the application;

- In applications with clips system, two more layers of oil should be applied on the surface of the wood following the completion of the application. The surfaces to be painted should be dry, the ambient temperature in the application environment should be between +5 Co and +30 Co, and relative humidity should be lower than 80%. Paint application should not be performed during the hours when sun lights reflect with the most vertical angle since the wood surface temperature reaches at the maximum during that time.

- If tables, chairs etc. are to be used on the deck, the legs of such furniture should not be sharp pointed. If needed, the legs should be equipped with rubber tips in order to prevent the wood from being scratched or broken.

- Deck application is one of the last applications to be performed on a construction site. Cleaning instruments, hand carts etc. should not be run on the decks so as to damage the decks following the completion of deck application.

- The preserving material that is to be used to cover the deck surface after the completion of deck application should be breathable in order to prevent the decks from transpiration.