

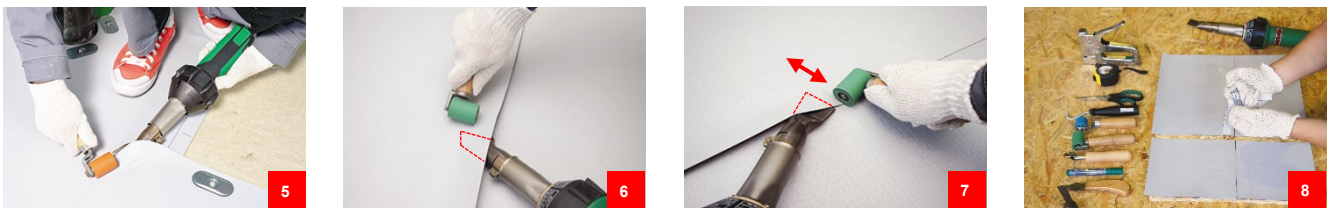


Application of synthetic membranes

Installation



1. Unroll the membrane and position it with a 12 cm overlap for washers. Membranes are marked at the factory with seam overlap lines and fastener location lines for ease of installation. Half width rolls can be used in the critical perimeter and corner areas of the building.
2. All welded surfaces should be clean and dry. Automatic hot air welding equipment LEISTER VARIMAT is recommended to use for overlaps welding. Such settings as speed, air flow and welding temperature can be adjusted to accommodate to the variable ambient temperature.
3. Release the lock on the gun mechanism; the nozzle should lay flat on the membrane adjacent to the overlapping membrane. Then slide the nozzle between two membranes until the gun mechanism locks.
4. The machine will now move automatically at configured settings.



5. Corners of membranes should be cut with scissors to the round shape. It is recommended to avoid creating multiple cross overlaps of more than three sheets.
6. In case of using hand hot air welding equipment it is recommended to perform pre-welding to avoid air leakage from the welding zone. The back edge of the overlap should be welded with a thin continuous pre-weld. To do this, quickly insert the nozzle and roll down the membrane with one rib of the roller pressing it to the nozzle edge.
7. In order to carry out the final welding, insert the hot air gun into the “remaining” overlap at a 45° angle. Once the proper welding temperature has been reached and the membrane begins to “flow”, the hand roller is positioned perpendicular to the nozzle and pressed lightly. Move the gun along the overlap, simultaneously move the silicon roller across the joint.
8. In order to check the quality of the weld use a strip (min 30 mm) of 2 welded membranes. Cut the strip and pull apart 2 welded membranes with your hands. Rupture of a high quality weld should occur on the material along with exposure of the reinforcing net, the weld should not delaminate.

Examples of application



Transportation and storage

- Rolls of synthetic membranes are delivered on pallets.
- All rolls of synthetic membranes have white labels identifying the membrane, its thickness, length and width.
- Every roll is packed in additional individual pack.
- Rolls of synthetic membranes should be stored lying down on pallets fully protected from moisture with clean canvas tarpaulins.
- Keep the minimum distance of 1 m from any source of heat.

