



2-Layer ventilation (flower bulbs)

2-Layer ventilation is a suitable method to dry and store flower bulbs. An advantage of drying and storing in stacks is that room can be used efficiently because more boxes can be ventilated simultaneously. With a 2-layer system the ventilation takes place per two box layers. Often a 2-layer system is combined with a fast drying system.



2-Layer ventilation wall

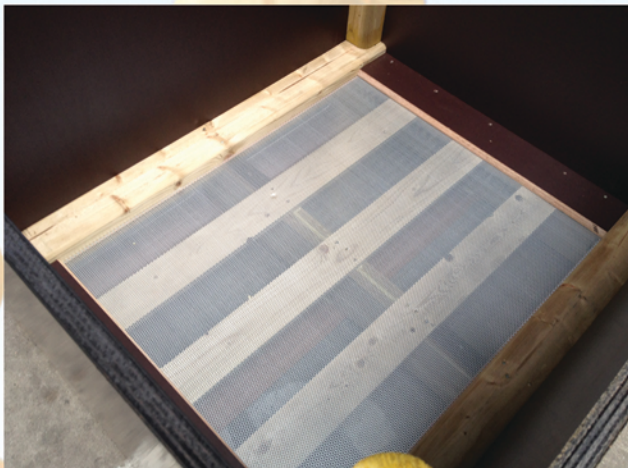


2-Layer ventilation wall (combined with drying with sloping pallet)

2-Layer boxes

Due to the closed walls of the boxes the air will be fully forced through each box. This improves the drying process. 2-Layer boxes contain an open pallet bottom in contrast to 1-layer boxes. In this way ventilation can take place per two box layers.

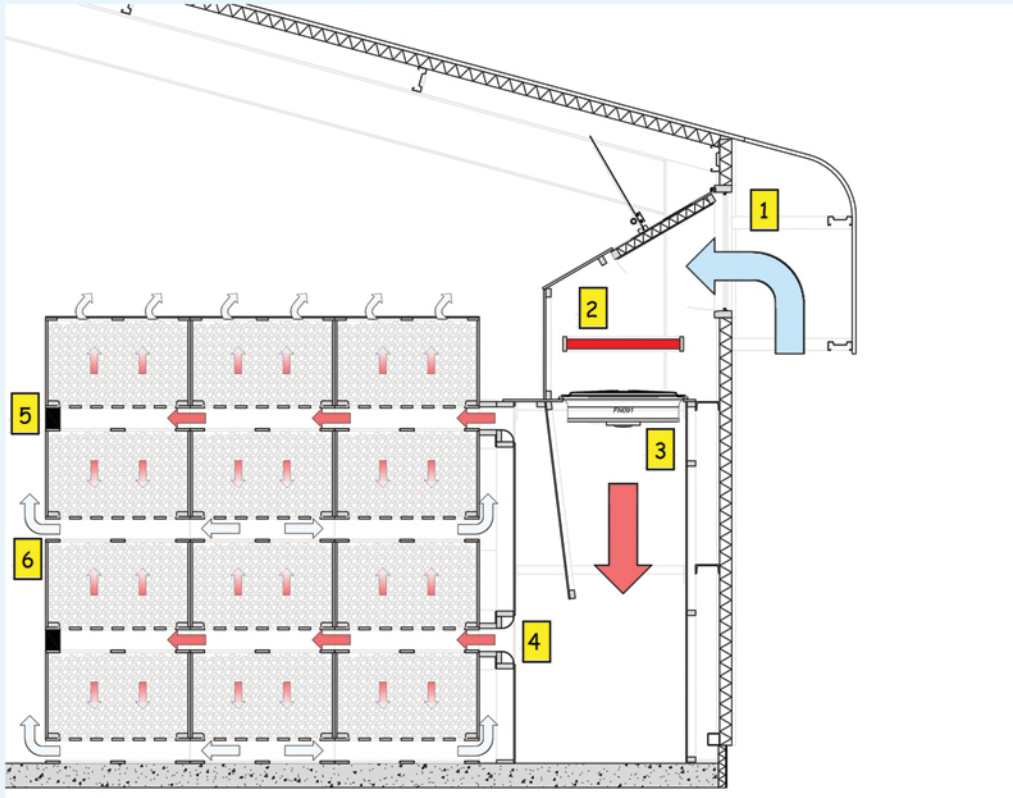
2-Layer boxes are easy in use because of the open pallet bottom. The boxes can be moved with a fork lift or hand pallet truck.



Open bottom of a 2-layer box



2-Layer box with open pallet bottom



The air circulation

The image above shows a schematic drawing of the air circulation that takes place with 2-layer ventilation. Cold air enters the room through the ventilation hatch (1). The hatch is closed when the weather conditions are unfavorable. In that case an intern air circulation takes place. There is a possibility to place a heater to warm up the air (2). The fan (3) blows the air through the pallet of the second and the fourth box in the stack (4). The last pallets of the second and fourth row are closed (5). As a result the air is forced up and downwards through the boxes (two layers). The air can escape through the pallets of the first and third rows (6)



A 2-layer ventilation system is also available as a mobile unit



2-Layer ventilation wall with the possibility of drying on sloping beams