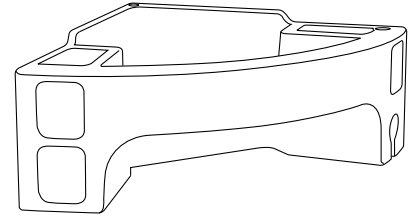




Three reasons that the planter Hortense is not made of wood

Ergonomic

Designed for people with reduced mobility, the planter's accessibility is the most important concern in conception. It is technically difficult to produce a wooden planter like planter Hortense's form, which address the specific needs of users: access easily into the garden, get easily the garden tools, etc.



Aesthetique

Of course, wood is a noble material specially its aesthetic aspect. However, when it is used outdoors and contacted with the soil, the water and the sunshine, the wood's colour becomes gradually light gray with the time. Some woods are rich in tannic acid, such as oak and chestnut, which makes the wood turn black.

Hygiene

In order to improve its durability, the wood should be treated before use. For outdoor use, the current methods of treatment include the addition of chemicals. There are also some problems about fungal growth and mold growth. It is difficult to clean the wood with a simple duster cloth. While the planter Hortense is designed to be contacted with the user, by providing a comfortable support, the wooden tub is not a reasonable choice.



A wood planter box.
Photo by F.Faucher

The material that we choose for the tub of planter Hortense is high density polyethylene (HDPE), which is used to manufacture products in contact with food, such as milk bottles, medication bottles, etc. Technically it possible to creat many forms we require. It is the most ecological among the polymers. It is regenerative and recyclable in the form of granules. Its combustion releases only water and carbon dioxide. The substrate temperature is between -50°C (-58°F) to 105°C (221°F). The HDPE structure is very stable and resistant to chemical attacks. The daily cleaning is easy: just with a cloth and water to remove dusts.