

HPP booth Building Materials Recommendation

This is a building material recommendation list prepared for designers and HPP operators. In this list, material recommendations are provided for the basic component sections of HPP structures respectively. The reasons for the recommendations are mainly based on the popularity of the relevant materials' application, their performance, as well as the relevant data provided in the EI99 (Eco-Indicator 99) guidelines of the sustainable assessment method.

Referring to this list during the design and material selection process can effectively enhance the sustainability of HPP activities.

Furniture

Cabinets/Chairs/Tables/Display Trays

Solid wood

Metal

Glass

Acrylic

Circularity points:

Cabinets, chairs and tables are all items that can be reused multiple times.

Art Installation

Glass

Paper

Polypropylene (PP)

Acrylic

Circularity points:

The amount of materials used in this part is relatively unpredictable, but there is an opportunity to creatively produce using the materials left over from other HPP activities.

Floor

Wooden board

Glass

Polypropylene (PP)

Off-Wall Frame

Stainless steel
Recycled steel is especially recommended.

Aluminum alloy
Recycled aluminum is especially recommended.

Circularity points:

If modular components are used for the frame part, it can be reused to the maximum extent.

Electrical Equipment

Track spotlights/Lighting fixtures/Light bulbs/Multimedia devices/Speakers

Lighting fixture selection:

- LED (Light Emitting Diode) lighting fixtures
- Solar-powered lighting fixtures

Multimedia selection:

- Energy-saving certified multimedia devices
- Devices with intelligent power management function
- Devices that support remote control

Audio selection:

- Class D audio amplifier
- Wireless Bluetooth speaker
- Speaker with audio energy-saving mode

Circularity points:

All electrical equipment items can be reused multiple times.

In-Wall Frame

Light-gauge steel keel

Pine wood keel

Circularity points:

If modular components are used for the frame part, it can be reused to the greatest extent possible.

Wall

Glass

Wood board

Facing Material

Paper

Polypropylene (PP)

Metal