

# Recommendations

Dagard partition wall ranges are designed for any size of facility, be it for new installations or for renovation purposes.

## Basic building principles

There are several principles of construction :

- whole unit mounted inside a closed building, self-supporting or fixed to the framework
- peripheral walls sheltered by top deck roofing, ceiling under roof, ventilated plenum
- external walls as parapet (please contact us).

## Installation

Building principles fall into three groups:

- The main structure works and surroundings must be completed or have made sufficient enough progress to ensure there is no risk of degradation to Dagard panels. Completion of the building of the isolated enclosure must be ensured without danger or interruption..
- Recesses, thresholds, rabbets and flashing, etc, must be checked and comply with the drawing.
- The pegging out of theoretical levels must be performed by the main structure team.
- Bearing surfaces must be thoroughly checked with respect to level and surface evenness.

## Bearing structures

Possible structures required for fixing interior walls or ceilings must be installed and adjusted to comply with drawings.

## Handling and storage

- The shifting and handling of materials must be performed with great care so as to avoid distortion or deterioration.
- Panels are stacked, protected by plastic honeycomb sheets. The stack of units is then film-wrapped.
- The place of storage must be sheltered and dry. If the place of storage cannot be under shelter, panels must be protected on their original pallets by opaque cloth or plastic tarpaulins (no black tarpaulins). Never use transparent plastic film.
- To prevent deterioration of the protective film for facings which could harm separation, the time of storage of DAGARD panels before erection of the facility must not exceed:
  - 15 days for storage in sunshine and unprotected from inclement weather,
  - 2 months for outside storage covered with opaque tarpaulins,
  - 6 months for storage away from sources of heat and moisture.

# Recommendations

## During installation works

- DAGARD panels must be protected against any risk of shock from hoisting equipment, scaffolding, re surfacers, planing machines, etc..
- The use of thermal engine powered equipment is not recommended: their emissions of greasy smoke deposited on facings is difficult to remove.
- Ladder leg pads, even made of rubber, must be enveloped in foam pads or cotton rags and fixed by no metallic fastenings. Ladders shall only be set against definitively fixed interior walls.
- During welding, polishing or cutting operations, DAGARD panels must be protected against any contact with flames and material being melted by protective screens. Areas subjected to the spatter of metal chips must be effectively protected by means of tarpaulins. Deposits of filings must be removed by suction or washed off with clarified water. Wiping and sweeping are prohibited.
- Splashing from mortar, resin or paint can be avoided by protective covers. Any trace should immediately be removed using a moist sponge or solvents compatible with the facings used. The use of any scraping or abrasive tools is forbidden.
- For perforations, it is best to use equipment appropriate to the perforation of metals: bits, round hole saws, metal saws, nibbling machines and alternating sawing machines. Motor saws, gravers, wood chisels and pickaxes are prohibited. Take all necessary precautions to prevent scratching due to unsuitable tools slipping. The size of perforations must be precisely calculated to avoid unnecessary packings.
- All opening and angle connection packing are of the same type as panel interior walls. All openings must be packed and sealed in such a way as to protect them from corrosion and water / water vapour infiltration.
- The protection of openings made for the conveyance of fluids (pipes) and electricity routing (cables, ducts) must be treated in the same way as the openings above. Packing is provided by an appropriate cable gland or stuffing box. A sleeve must protect through-hole mount component integrity and the properties of the insulation material.
- For tracings, it is best to use erasable markers or lithographic chalk. Marking line reels are difficult to erase: restrict their use. The use of crayons, ballpoint pens or similar run the risk of scratching DAGARD panels and you are strongly advised not to use them.
- The screwing or riveting of fixing brackets in the middle of wall partitions must be avoided as much as possible. Glues constituted of polyurethane or silicon mastic should be used as often as possible. During the mastic polymerization stage, the part to be bonded must be held in place by double face adhesive strips. In general, the peripheral tightness of items fixed on any wall partition must be assured (to prevent the infiltration and stagnation of corrosive products between the item fixed on the wall partition and the latter).
- Properly protect the connections of portable equipment, air and gas pipe extensions that might scratch facings.
- The temporary hanging of equipment on DAGARD panels is forbidden.
- Except where explicitly stated in writing, DAGARD ceilings are not designed to bear weights, or to store materials, even temporarily. The only persons to have access to ceilings are those admitted for routine maintenance purposes with portable tools (maximum occasional load 150 daN per panel). The proper precautions should therefore be taken to ensure no damage is caused. A 10 mm 0.39'' plywood sheet (20 mm under ladder feet) must be placed across areas of traffic during installation works.