

SAM Specification

56. FIXED INTERIOR FURNITURE

56.00. fixed interior furniture - general

- **Description**

- All supplies and works for the realization of the fixed furniture and/or other fixed equipment elements to be provided, ... into a finished whole. The work includes:
- The verification of the technical connection points (water, gas, electricity), the measurement of the correct dimensions and possible adjustment of the elements to the actual dimensions;
- The preparation, the elaboration of the execution details according to the indications on the detail plans and according to the specifications;
- The prefabrication in the workshop of the necessary furniture modules and equipment elements;
- The arrangement, assembly, fastening and adjustment of all elements and their accessories, the connection of planned appliances and taps included in items 61, 62 and 68.
- The sealing of the connection joints between the joinery elements, walls and ceilings;

- The removal of all waste, stripping of adhesives, protection of the works, and cleaning before provisional acceptance, etc.
- **Materials**
 - The performance, safety requirements and test methods, with which built-in cupboards and worktops must comply, correspond to NBN EN 14749 - Living and kitchen furniture - Storage units and worktops - Safety requirements and test methods.
 - Visible side walls are finished like the cabinet fronts.
 - Wooden panel materials comply with STS 04.4. They are CE marked and bear the FSC or PEFC label and the supplier is FSC or PEFC CoC certified. Formaldehyde content: class E1 according to NBN EN 717-2/AC. Boards in damp indoor environments are always of type 2 (damp indoor environment).
 - Lumber for cabinets complies with STS 04.1. The wood must be dry and dimensionally stable when installed. The timber shall be of joinery quality in accordance with STS 04.2. and shall be impregnated with a B process (in accordance with STS 04.3.1.4.2) or a C1 process (in accordance with STS 04.3.1.4.3) with continuous technical approval or have a natural durability of class III or higher. The wood must be dry and dimensionally stable when installed.
 - Metal components of fixed furniture and fixtures shall be rust resistant and meet the requirements of STS 36 (Part II, 06.74).

- Screw heads are only permitted within cabinet elements, they shall be milled in and fitted with plastic covers in the color of the body. Nails shall be driven in and plugged with pure linseed oil stop paint or malleable wood.
 - The necessary documentation, samples of sheet materials, fittings and accessories are submitted to the Board for approval in advance. If there is any doubt about the right choices, the advice of the architect is sought beforehand.
- **Implementation**
 - The actual installation of fixed indoor furniture may only be started when the designer and the contractor, after joint consultation, consider that the installation conditions are favorable, i.e. in a dry and closed building, with a temperature of between 15 and 25°C and relative humidity between 40 and 70% R.H.
 - Under no circumstances may built-in furniture be installed where conditions are such that they may cause irreversible effects (swelling, warping or shrinkage of the woodwork).
 - The elements of the casing must fit neatly into the structure, taking into account the cladding of pipe ducts that may need to be integrated and finished.
 - The joints between the wall finish and the cabinet elements, as well as the joints between the plinth and the flooring, are sprayed with an elastic sealant based on non-acidic, fungicidal sanitary silicones. They polymerize

completely, are shrink-proof and resistant to cleaning agents and solvents. Color: to be determined by the designer.

- **Additional specifications** (to be deleted by the designer if not applicable)
 - The ensemble of kitchen and/or bathroom cabinets forms one composite unit ("module"), pre-configured in 3D and then assembled (possibly largely off-site);
 - The unit bundles all utilities (appliances, piping, contact points of both heating, electricity, water, ventilation and home automation) into one unit that is built in a modular fashion
 - The heating pipes and ventilation ducts are concealed within the assembly and run through the cornice around the module to the appliances.
 - The supply and drainage for the plumbing and convector-based heating system are integrated into the module. They should be easily accessible for maintenance.
 - A central switch box concealed in the module supplies power to all appliances and lighting. The switches are located on the module. All household appliances should be able to be fitted into the modules.
 - Easy disassembly of the assembly should be ensured by means of, for example, a screw assembly.

- **Inspection**

- Peripheral connections of the built-in furniture or sheet metal fittings with surrounding building parts are to form a neat and tidy unit.
- Cabinet fronts are hung straight, with regular gaps. All suspension and locking mechanisms function without faltering.
- The surface finish of plate finishes, tablets, worktops, door and sliding fronts show no signs of damage.