**LIGHT WEIGHT WALL PANELS.** These composite panels are a skin or thin sheet that's bonded to core materials which are stronger than plywood or metal. Panels could be made to suit your purpose from creating walls to creating a glassed in sun porch. Depending on what you use the panels for, various strengths may be made by utilizing various distinctive approaches that consist of foam, wood also as metal in the construction. Talk to any representative at a sales website and they can support you to calculate the material combination strength, or impact performance. On-line you will discover sites that have built in a calculator which is user friendly so you are able to figure out the material combinations you will require according to the impact or resistance the lightweight wall panels have to bear. Manufacturers, taking note of lessons in construction from the ancient Greeks and Romans and their use of arches and several weight bearing angles, make the core of these composite lightweight wall panels 1 of the strongest in construction that has a incredibly high strength to weight quotient. These are main benefits inside the construction business, agreed, but these applications of lightweight panels encompass modular shelter panels as walls, floors, doors, and ceilings, applications in the transportation industries like semi vans that haul consumer goods to the trains that transport everything from foods to autos, and in the construction of sea going vessels. By removing a lot of the weight from these various applications there is less likelihood of structure failure. These lightweight wall panels have many benefits: * Thermal and acoustic properties supply a extremely efficient acoustic system that produces main declines in noise levels that emanate from roads, freeways and rail corridors. Heating and cooling are reduced with the use of the lightweight wall panels providing insulating thermal properties. * Panel thickness could be constructed according to want and purpose. * Impact resistance, compression strength, shear strength, and panel weight are all of the things built right in as combination components that produce the lightweight wall panels. The applications of lightweight wall panels are practically unlimited. Engineers globally are utilizing the wall panels in thousands of construction projects that have a have to be lighter and at the same time increasing or maintaining strength. * Lightweight wall panels are great to use inside the construction of clean-rooms or sterile rooms. These lightweight walls are simple and fast to install when and where they're required. The walls and ceilings are constructed with the same materials and snap together to form rather tight seals. To finish sealing these rooms up a compound is used to truly melt the wall and ceiling together to form a seal. This application is required and employed in biotechnology. * Lightweight wall panels are employed inside the office setting to produce cubicles, room dividers, and reception areas. This construction material has revolutionized how our buildings are able to be utilized in a selection of configurations that can change as needs change without substantial renovation costs. Cost efficient lightweight wall panels open up a world of possibilities due to the versatility of this product. Light weight wall panels might be the answer to your construction dilemmas so contact an agent right now and take a look at the products available to make your project a lightweight, but huge success!