



## 09/06/2007 - Discontinuous Production & High Performance for Flexible Slabstock

Ford City Pennsylvania is the home for a new highly specialised OMS Plant dedicated to the production of Visco-Elastic flexible foam blocks.

Bergad Inc is the owner of this new equipment, which is based on the well established BB3 Range of discontinuous block making equipment.

This particular plant consists of four independent high precision metering lines, each line being equipped with high precision flow meters which automatically meter the polyol, TDI, tin catalyst and water + silicone + amine components into the mixing cylinder in the precise quantities required by the formulation programme. The plant was supplied complete with a series of batch blending tanks to prepare the various chemicals used for production of the blocks.

The mixing cylinder, mounted on a cantilevered support column homogenously mixes the components and distributes the mixture inside the mould smoothly and without turbulence. The specially shaped radial mixer also contributes by controlling the incorporation of air into the mixture thus improving the cell structure of the foam.

The new unit has proven highly effective, being capable of producing 1,600 tonnes of foam per year based on single shift working. The whole plant is handled by a Siemens S7 Series PLC with associated operator panel and is capable of storing more than 100 pre-set formulations ensuring rapid production change and a significant reduction in the possibility of mistakes in calculation of the formulation.

The final result is a highly satisfied customer who is able to produce better quality product with reduced waste and a high level of flexibility. In other words a perfect combination of OMS Technology with a clear understanding of customers needs.

