



21/06/2007 - Controlled Pressure Technology for Flexible Block Foam

After many months of research and development, including the manufacture of large scale prototype plant, OMS Group announces our new Controlled Pressure Process (CCPP) Technology for the production of flexible polyurethane slabstock.

This exciting new development offers many advantages and, by the controlled application of vacuum during the expansion phase of the reactive mixture, enables the production of a range of high and low density foams without the use of ancillary blowing agents.

Other significant benefits include:

Extremely uniform density along the vertical block axis

Environmentally friendly

Lower foam production costs (between 3% to 5% less than traditional foams)

Ability to increase water content in the formulation

Production of foams with higher physical properties than those manufactured on conventional plants

The advantages given by CCPP has stimulated the flexible foam market's interest for new production plants including metering plant, mixing and distribution equipment, moulds and conventional conveyors housed in suitable vacuum/pressure chambers.

Our specialists in block production are ready to discuss any production requirements with manufacturers wishing to take advantage of this new and exciting technology.