

# OMALON<sup>®</sup>

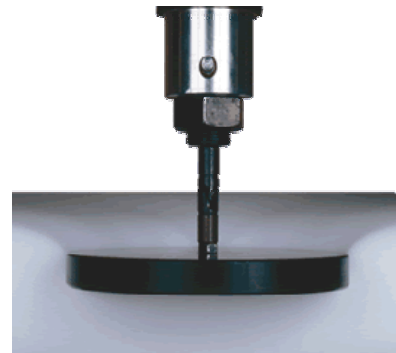
*Think Underneath...with Omalon<sup>®</sup> foam for bedding products.*



Omalon<sup>®</sup> foam from Carpenter Co. differs from conventional foam in that it uses a patented densification process, whereby high-quality prime urethane foam cells are elongated.

## **Superior Load Support**

Conventional foams have large spherical cells, which provide greater room for deflection under loading. By comparison, the new Omalon<sup>®</sup> foams have small, elliptical cells that deflect to a high degree only under sufficiently high loading. The "boardy" feel of the conventional foam is the initial resistance to buckling of the vertical struts in the foam. As soon as this buckling begins, the cells collapse in horizontal layers under increased loading. The Omalon<sup>®</sup> foams with elliptical cells have virtually no erect vertical struts to resist buckling, resulting in continuous support for a better night's sleep.

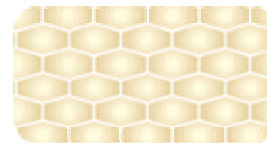


## **Superior Surface Softness**

Omalon<sup>®</sup> foam contains densified cells that are mechanically conditioned, therefore repeated use is not necessary to achieve the comfort level needed in a mattress. Instead, Omalon<sup>®</sup> foam has an excellent initial comfort and luxurious feel, even in firmer grades. Not only is it initially soft, but the mechanically conditioned cells won't bottom out over time because of the strength of the elliptical structure.



Conventional foam cell structure



Omalon<sup>®</sup> foam cell structure