

PRODUCTS IN ACTION

Military Shelters



The "Giraffe", Air-warning Radar Unit

For many years, Divinycell has been used in the production of military shelters. DIAB Sverige AB is at the moment sandwich panel supplier for two different types of communication units, for which the Swedish electronics giant, Ericsson is involved. Manufacturer of the units is Botnia Production AB in Örnköldsvik, Sweden.

One of the applications is the "Giraffe" (pictured above), a mobile air warning radar unit which features a total of 35 very complex panels per shelter. The core thicknesses vary from 10 -104 mm with both high and low densities being used.

There is also a smaller version of the "Giraffe" called "Arthur" for Artillery Hunting Radar. For this application, DIAB Technical Services was also involved in the strength calculations.

Another shelter series currently in production is the 2611. This is an electronically shielded multi-purpose unit, which is designed to blend into the surrounding environment. For the 2611 shelter, DIAB has produced sandwich panels with both GRP and aluminium skins. To date, over 100 shelters have been produced.

Core material:	Divinycell® H-grade in different densities
Face material:	GRP / Aluminium
Manufacturing process:	Vacuum bonding
Manufacturer:	Botnia Production AB
Structural Design:	DIAB Technical Services

