

## 1 - 0 for polyurethane foams

One-thousand new miniature playing fields in Germany fenced in with metal-faced sandwich panels the German Football Association (DFB) is investing EUR 25 million in the construction of 1,000 miniature playing fields. To ensure the safety of the players and reduce noise for neighbours, the fencing around the fields is made of metal-faced sandwich panels incorporating a polyurethane foam system from Bayer MaterialScience.

Sandwich panels manufactured for this application by Fischer Profil GmbH of Netphen-Deuz, Germany, offer high mechanical strength and good sound absorption. The fencing around the field comprises panels with integrated goals, on which high demands are imposed. They must withstand impacts with players. To suit the needs of neighbours, the material must also function as a sound-absorber. Metal-faced sandwich panels have proven to be the material of choice, made from steel facings and a polyurethane rigid foam core.

Self-supporting polyurethane/metal sandwich panels were originally developed for insulating large facades and roofs in industrial buildings. They have been put to effective use in many segments of the building industry for more than four decades now. When used as a facade, they simultaneously function as a design element and, together with a coloured surface treatment, give designers great creative freedom. The sandwich panels are used in industrial and commercial construction, as well as in cold stores, warehouses, exhibition halls, sports halls, office buildings and transportation buildings (e.g. airports).

This is just another example of the almost unlimited potential for developing new polyurethane applications made possible by the material's versatility.



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