

# Fevernova – a goal feast in the Far East

The official World Cup 2002 match ball – the adidas *Fevernova* – is claimed to be the world's most accurate football. The combination of high-tech materials first used in its predecessor, the *Tricolore* in France 98, have been improved to give an even better response

## *Fevernova* specifications

**Weight:** approx 450g

**Circumference:** 68.5-71cm

Simplified layering of high-tech materials bonded with latex adhesive provides more uniform resistance and resilience than *Tricolore*

**Layer 1 – Transparent polyurethane coat with underglass Irodine print**

**Layer 2 – “Syntactic” foam**

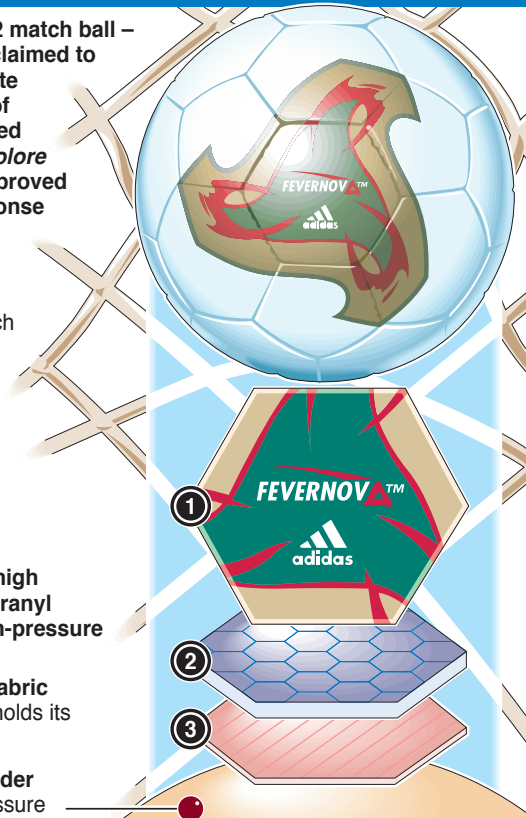
The secret of *Fevernova*'s high performance – a dense Impranyl polyurethane matrix of high-pressure gas-filled microspheres

**Layer 3 – Knitted *Raschel* fabric**

Fibre backing to ensure ball holds its shape better in flight

**Interior – Latex rubber bladder**

Inflated to 0.6-0.8 bar air pressure



## Syntactic foam: Springing into action

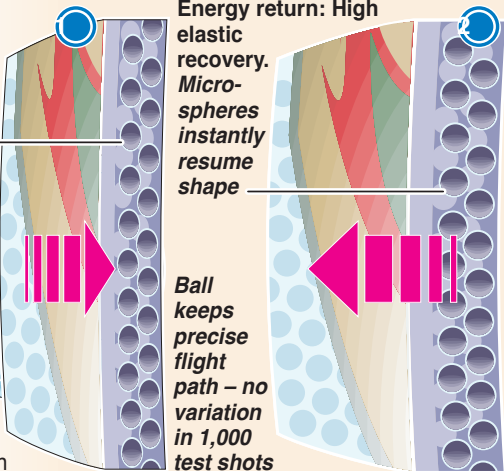
**Compression:**  
Deformation of ball shape.  
*Microspheres compress on impact*

**Energy return: High**  
elastic recovery.  
*Microspheres instantly resume shape*

Small “sweet spot” for kick accuracy

**Test flight:** Ball repeatedly shot against steel plate at 50km/h to check shape retention

Source: Adidas



© GRAPHIC NEWS 2002