

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

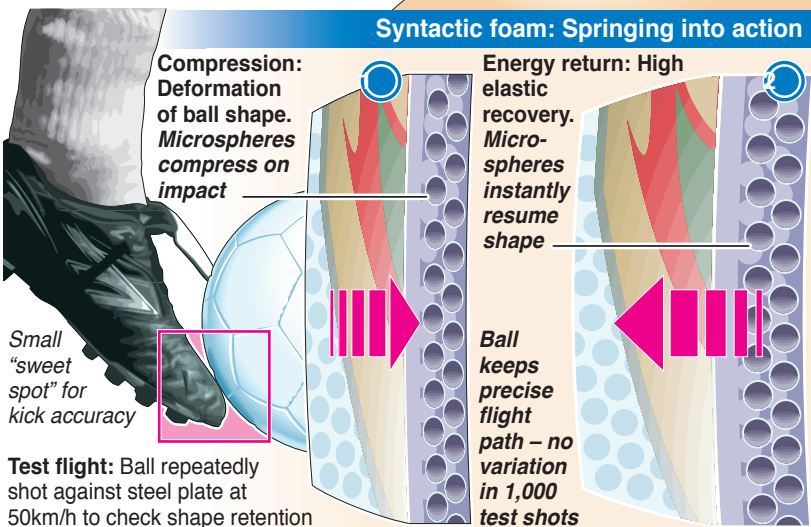
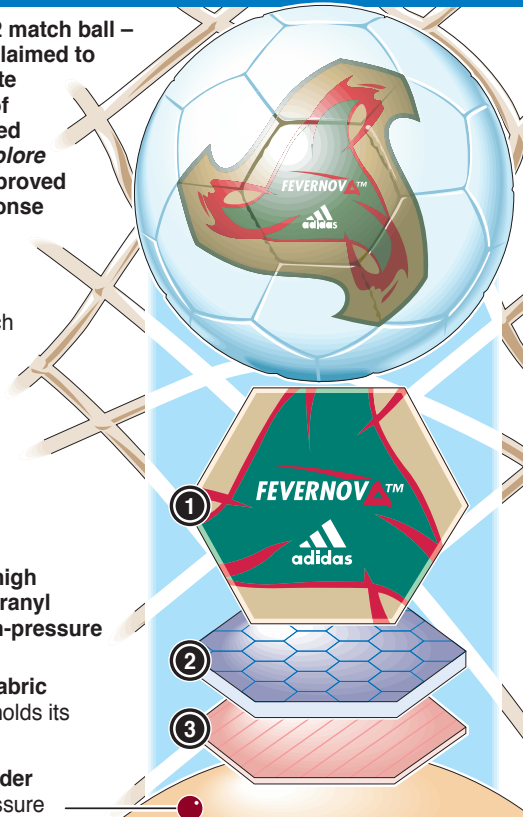
Simplified layering of high-tech materials bonded with latex adhesive provides more uniform resistance and resilience than *Tricolore*

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



Compression:
Deformation of ball shape.
Microspheres compress on impact

Energy return: High elastic recovery.
Microspheres instantly resume shape

Small “sweet spot” for kick accuracy

Ball keeps precise flight path – no variation in 1,000 test shots

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

Source: Adidas

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