

ERGONOMIC ASSESSMENT

by Andrew Wilson, Osteopath & Ergonomist

KONFURB FLARE Chair

Seat Profile: 18 (20)

A firm moulded polypropylene seat 420mm deep x 470mm wide, tapering toward the back. It has a generous contouring side to side and front to back. It has a generous waterfall edge starting 10cms from the leading edge and declining quite steeply. It is a comfortable seat with minimal pressure points.

Backrest Profile: 18 (20)

A medium height moulded polypropylene backrest 420mm above the seat. It starts off at 310mms wide tapering to 25mm. It is punctuated by wings starting 70mm above the seat which extend around 150mm outward and 150mm deep and rotating from vertical to horizontal. This neat design functions both as lateral support and elbow rests. A very clever design. The top of the backrest rolls away from the midline reducing the midback support. The construction allows some active movement.

Comfort: Forward Posture: 9 (10)

The profile of the seat and the generous waterfall edge encourages a forward tilt thigh, while the back rest gives excellent support for the pelvis and lumbar spine, but less support for the midback. It is comfortable with no pressure points.

Comfort: Centre Posture: 9 (10)

The centre posture with horizontal thigh is very comfortable with good support for the pelvis and lumbar with minimal pressure points.

Comfort: Reclined Posture: 9 (10)

The reclined posture is surprisingly comfortable with the backrest rolling away at the upper edge and the movement in the backrest allowing some comfortable trunk reclination with no pressure points.

Dynamic Rating: 9 (10)

The extra live movement in the backrest, and the generous waterfall edge and upper backrest reclination encourage regular changes of posture without uncomfortable pressure points. The clever design addition of the wings also provide additional postures, by encouraging an elbow supported reclining posture leaning one side or the other.

Anthropometrics: 9 (10)

This surprisingly comfortable chair (for a hard-shell polypropylene) will appeal to a wide range of users. Its easy access to a wide variety of postures will increase its appeal.

Ease of Use: 8 (10)

It has no levers or built in adjustability. It is very easy to use. The wings can assist in getting on and off the chair.

Total Score: 89 (100)

Summary:

A surprisingly comfortable chair. Its clever design offers and encourages a range of comfortable postures with excellent functionality.