

The invention concerns a mechanical component (50) having one main direction along which extend a core zone forming a core (52) and a peripheral zone forming a shell (54), said core (52) and said shell (54) having between them a metallurgical connection, said core (52) being made of a first material having at least one metal matrix and said shell (54) being made of a second material having at least one metal matrix. The invention is characterized in that said metal matrices of the first and the second materials have the same base metal and at least one of the first and the second materials is formed of a metal composite matrix comprising reinforcing elements dispersed in said metal matrix. Preferably, said mechanical component is used as blade for a fan or low pressure compressor.