

The main features of TorTex fabric are the antiviral and antibacterial properties. This determines the most important area of use, namely healthcare almost by itself. During a recently completed wearing test several healthcare professionals tested the properties of the garment in daily use, compared to standard cotton / polyester healthcare uniforms. The unique uniforms from TorTex powered by 37.5® technology have proven themselves this time in Portugal, where 43 members of the medical staff at Hospital de Catanhede and Domus Vida Parede Residences elderly care home wore the uniforms manufactured by doublerose for weeks.

Employees from several units of the institutions took part in the test wearing. Convincing results have been achieved among nurses, doctors, psychologists, operation nurses and physiotherapists. Three out of four clearly prefer TorTex uniforms over traditional healthcare clothing. TorTex fabric, enhanced with active particles of 37.5® technology, solved the body's heat management at such a high level that it significantly increased the wearing comfort.

"I was delighted to be able to take part in a test aimed at increasing the safety and comfort of healthcare employees." said one of the physiotherapists in the test. The most often used terms in the evaluation were: very comfortable, good to wear, well tailored, so it was easy to put on and take off, but most of all, they had an increased sense of security provided by the antiviral and antibacterial material of TorTex fabric. The evaluations also showed statistically significant differences in the assessment of the different properties. As a result, 73% of testers prefer TorTex uniforms to traditional clothing.

The main criteria examined were:

- General wearing comfort:  
The unique uniform is clearly better and more comfortable to wear than the traditional one.
- Moisture perception:  
The tested uniform clearly provides a more pleasant, drier feeling even in sweaty conditions.
- Drying speed:  
The test garment provided a much faster feeling of dry clothing again if sweated or spilled with some liquid.
- Heat management:  
The tested uniforms reduced overheating and provided a more pleasant, drier feeling in warm working conditions, as well as providing an ideal feeling of warmth even in a cool, air-conditioned environment.

A test by EIT Health confirmed that TorTex powered by 37.5® technology performs excellent in a pandemic situation and has a significant contribution to the safety of health staff and, perhaps more importantly, to their perception of security and improved working conditions.

These test results fully comply with the results of a recently completed study by SGS Biosafety Laboratory that TorTex's antiviral ability reduces the risk of H1N1 infection to a fifth and makes infection 99.9 percent impossible after two hours of surface contact.

The outstanding results of the uniform derive from the optimal combination of the three main ingredients. Complementing TorTex fabrics antiviral and antibacterial safety with the addition of 37.5® technology active particles helps maintain optimal body heat management, quickly evaporate sweat, which is crowned by the comfort of wearing the uniform tailored by doublerose.