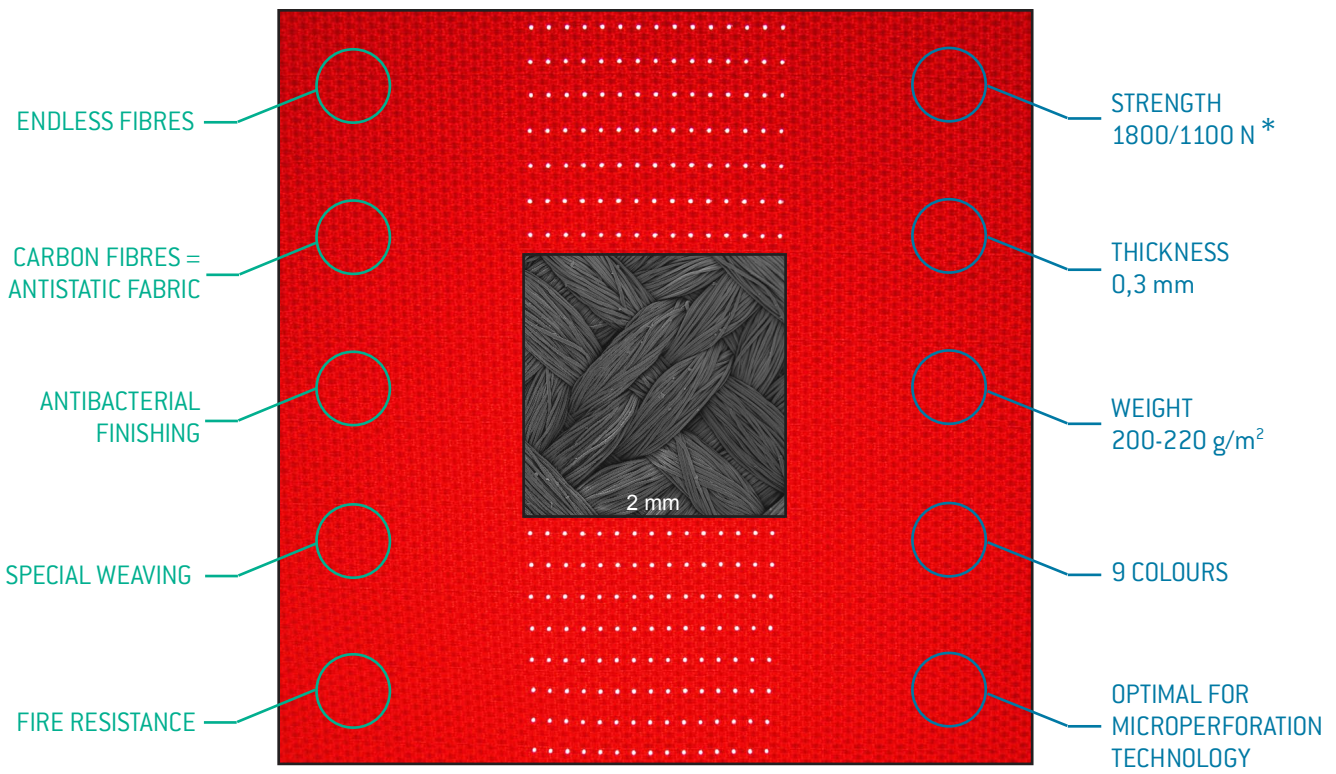


# PRIHODA FABRICS



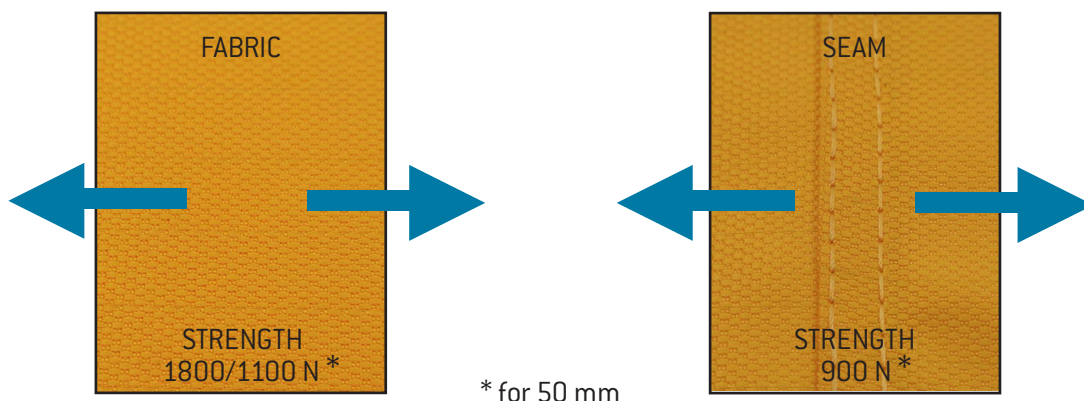
Almost since we started production back in 1994 we have been working on developing the best possible fabrics for ducting. Over these years we've built up our knowledge and experience of Fabric Ducting applications and our ideas about what makes an ideal fabric have been developing too.

Our development of the micro-perforation technology allowed us to leave behind the traditional highly permeable materials and as a consequence the necessity for heavy High Dust Capacity (HDC) material technology made from 'staple fibres' became redundant. At the same time our transition across to 'Endless fibres' meant an end to fibre shedding during operation and created higher stability and strength of materials whilst creating benefits to transport weight and fuel costs and mounting materials. Rigorous testing and analysis ensure that none of these developments result in a lower quality or strength of our materials.



CHARACTERISTICS OF PRIHODA FABRICS

We offer a 10 year warranty on our material, but it's important to note that the strength of the cloth is not actually the decisive factor; it's the sewn seams, or joints. No joint will ever be as strong as the fabric. We ensure our seams are sewn to provide the strongest joints possible. In continuing our efforts to make our material provide genuine functional benefits we have added carbon fibres for increased electrical conductivity (reduced electrostatic charge) and a nanolayer of silver provides an anti-bacterial function. This then, the result of 20 years of development ensures we deliver unique materials which provide the highest levels of functionality and efficiency for our users.



## MATERIAL CHARACTERISTICS

### Optimum Strength

Through our own long term development we have optimised the weight of our materials to be between 200 – 220g/m<sup>2</sup>. The textile strength exceeds the seam strength, which is ideal. Greater strength or heavier materials do not in any way benefit the customer or the longevity of the system as the strength of the product is limited by the strength of the seams.

### Minimal Particle Shedding

Because we use 'Endless Fibres' all of our products (in any of the available colours) can be used in cleanrooms up to & including ISO Class 4. Independent laboratory tests demonstrate practically zero particle emissions during operation.

### Anti-Bacterial Effect (optional)

Our special nanolayer of anti-bacterial treatment guarantees elimination of all bacteria in direct contact with the material. We offer a lifetime guarantee for our anti-bacterial effect as our treatment is unaffected by multiple washing. This applies to PMI/NMI/NMR materials.

### High Fire Resistance

Our Prihoda PMI/NMI/PMS fabrics are certified in accordance with European standard EN 13501-1 with excellent results. Prihoda materials achieve classification B-s1-d0 (where B= excellent fire resistance performance, s1= Low smoke emissions, and d0= represents no molten plastic droplets) this far exceeds the requirements of UL723 standards in the USA. Our range of products also includes class A2 – textiles made from fibre glass.

### Anti-static Design (optional)

Our material includes interwoven carbon fibres which makes our materials more electrically conductive (available for materials PMI/NMI/NMR) the voltage between the Prihoda Fabric Ducting and the building will be zero when properly earthed/grounded.

## APPLICATION EXAMPLES

