

FAQ

Tailored Air Distribution

Question:

What are the negatives of fabric ducting?

Answer:

Possible limitations of fabric ducting depend on the specific application. While fabric ducts offer many advantages, there are certain situations where they may not be the ideal solution.

/ When fabric ducting may not be suitable

In principle, fabric ducting can be used for a wide range of systems – especially when properly designed. However, it's not always the right fit for every situation or every part of a ventilation system.

Examples where fabric ducting may not be ideal:

- **Outdoor duct runs** For example, connecting a rooftop air handling unit to an indoor space. Exposure to weather and UV radiation makes this a challenge, though we do have specialised products for certain exterior applications (e.g. airport use).
- **Projects requiring immediate on-site changes** Fabric ducting is manufactured off-site based on pre-agreed dimensions. It's not intended for last-minute adjustments without specific design features.
- **Tight or obstructed spaces** While we do design for limited spaces, the duct needs a clear path to inflate safely. Installing fabric ducts around obstacles is not recommended, as expansion could move or damage nearby objects and shorten the duct's lifespan.
- **High-moisture environments with mould risk** Although Prihoda materials (e.g. PMI with silver ion treatment) are mould-resistant, no material can completely prevent mould if conditions allow for it.
- **Very high temperature air supply** Fabric ducts are flame retardant, but they are not designed to handle extremely hot air – such as directly from gas-fired heaters – over long periods.

Key terms:

fabric ducting limitations, HVAC design considerations, outdoor air ducts, site-specific ventilation, high temperature airflow, mould-resistant materials, tight space installations, flexible ducting constraints, air distribution challenges, Prihoda fabric systems, non-metal duct alternatives, ventilation system compatibility



to learn more about where fabric ducting works best – and where it may not – visit our [Reasons for Fabric page](#) or contact us via info@prihoda.com



Engineered air
distribution



Quick and easy
installation



Fast
delivery



Easy
Maintenance



Custom
design



Long
Warranty

