

# FAQ

## Tailored Air Distribution

Question:

### Can you use cold air in a fabric duct?

Answer:

**Yes – fabric ducts can deliver cold air below the dew point without condensation, thanks to permeable materials and engineered micro-perforations.**

#### **/ Managing dew point and condensation**

Traditional metal ducts require bulky insulation when supplying air below the dew point, as condensation forms when warm ambient air contacts cold surfaces. Fabric ducts, however, can prevent moisture buildup through controlled permeability.

#### **/ Permeable fabric solutions**

Prihoda's permeable duct material features a specific weave that allows a measured flow of supply air through the entire surface. This continuous, gentle diffusion creates an air barrier around the duct, stopping warm room air from reaching the cold textile surface and thus preventing condensation.

#### **/ Precision airflow with micro-perforations**

For applications where targeted diffusion is needed, our patented micro-perforation system uses laser-cut holes to increase airflow at precise locations. This reduces fabric clogging by dust and allows directional airflow control beyond what permeable fabrics alone can achieve.

## Key terms:

dew point, condensation prevention, permeable duct, micro-perforation, airflow barrier, cold-air diffusion, humidity control, fabric HVAC, anti-condensation technology



to learn more about how Prihoda fabric ducts manage cold-air distribution and prevent condensation, visit our [Air Distribution page](#) or contact us via [info@prihoda.com](mailto:info@prihoda.com)



Engineered air  
distribution



Quick and easy  
installation



Fast  
delivery



Easy  
Maintenance



Custom  
design



Long  
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