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The Farm

Prihoda Fabric Ducting

Design Data

- Total Air Volume: 2.53m³/s
- External Static Pressure: various between 80 - 120pa
- Duct Shape: Round from 250mm to 500mm diameters
- Duct Length: 65m over 5 different areas
- Material: Recycled, Permeable, Flame Retardant
- Material Other: Cleanroom non-fibre shedding ISO4
- Material Colour: Light Grey (stock colour no additional cost)
- Diffuser Style: Mix of micro-perforations, perforations & nozzles



Wine sales and tasting area

Background

The Farm is an imaginative rural business based around local artisan food producers and a whole food café situated just off the A46 near Stratford upon Avon. With Locally Sourced Produce, Artisan Micro Kitchens, Bakers, Fishmongers, Butcher, Cheesemonger and a Wholefood Restaurant & Pizzeria.

The Farm is a collective of artisan food producers, a whole food café, farm shop and delicatessen, which supports local brands and champions independent suppliers from their own and neighbouring counties. A butchers and fishmonger, baker, wine merchant, fermented foods, chilli farmer, coffee roasters, chocolatier and florist produce products on site in micro kitchens which can be viewed by the public in order to enhance the tilth to table concept.



Mixed diffuser types were used in the 'Home' retail area

Design

Prihoda UK were asked by Mr Andrew Wilkes, workplace engineers and environmental consultants, to design and quote for fabric ducting systems to condition the space without draughts. After careful planning with the evolving site layout the result is an excellent mixed air environment within the café and farm shop areas without any noticeable air movement. This has been achieved by creating a bespoke air pattern design for each different area. As part of the overall design quality concept the clients chose to utilise Prihoda 100% Post Consumer Recycled Material which reutilised 1789 recycled plastic bottles to make the polyester material for the duct.



The fabric colour was chosen to blend with the cladding

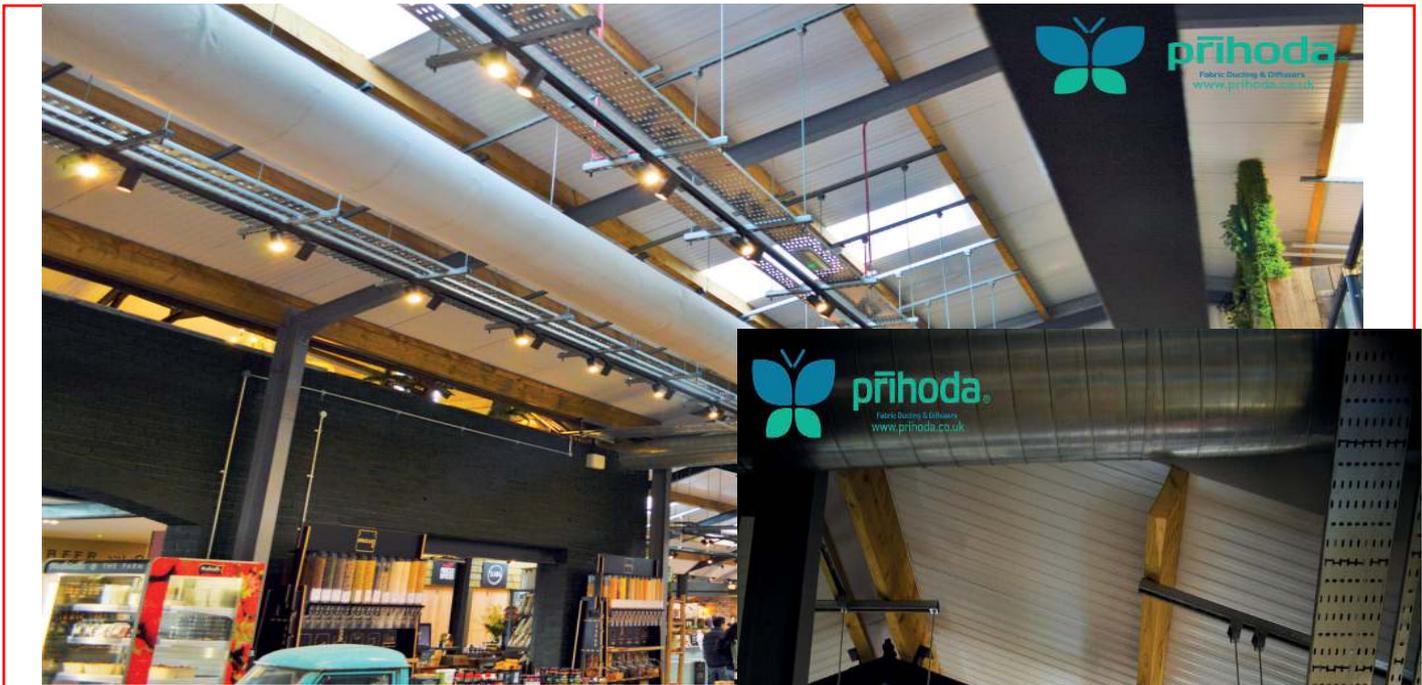
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Food Specific Design

As most of the areas on this project are being used in food sales or preparation the use of Prihoda Fabric Ducting is particularly beneficial as we only use materials that are cleanroom non-fibre shedding specification made from non-organic polyester material that is non-hygroscopic and non shrink. The use of Prihoda fabric ducts also means that the maintenance and cleanability of these systems is simple and low cost. The ducts can be removed on a regular basis and cleaned in a commercial washing machine, an in-house service that Prihoda UK also offer.

Conclusion

We were able to provide a bespoke system, designed specifically to distribute air in the direction and at the velocity required for optimum design of this facility. In doing so we provided an aesthetic fabric ducting system which was a low capital cost, and easy and fast to install. The customer chose recycled material, internal rings (to maintain a round shaped system when the air is turned off) and the Prihoda Installation service.

For more information on this or any other project, please contact us directly.



Butchery area fabric ducting