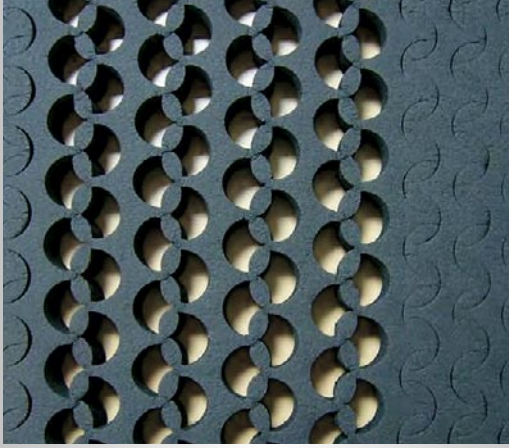


# Daxten CoolControl Xpand

High flexible sealing of cable openings increases cooling efficiency



Daxten CoolControl Xpand

## CoolControl Xpand Highlights:

- Up to 63% higher data centre energy efficiency
- Reliable raised floor opening seal eliminating bypass airflow
- Significant increases in under floor static air pressure
- Easily installed in minutes
- Retro-fit for existing or new cabling
- Easily reusable

## 63% of the cooled air gets lost as bypass airflow

According to Gartner, a staggering 40% of the total energy costs of any given data centre are incurred through cooling - it is expected that this will rise significantly through the coming years, if IT and Facility Management in data centres do not put a focus on optimising their cooling and airflow infrastructure. Making efforts to optimise cooling does not require high spending on new and costly cooling units. Easy to handle mechanical solutions with small investments and short ROI periods are the most efficient methods of airflow and cooling optimisation. Sealing cable openings in the raised floor is one of the most efficient methods to help increase the cooling and energy efficiency within the Data Centre. It is ranked as a top best practice according to the recommendations of the EU Code of Conduct for Data Centre Efficiency. The Uptime Institute states that about 63 percent of the conditioned air in a typical data centre gets lost as bypass airflow on its way to the server cabinets, which is detrimental in terms of the energy and cost efficiency.

## Sealing openings puts an end to bypass airflow

There exists an easy to apply and extremely cost efficient solution to get rid of the problem caused by bypass airflow - Just simply seal the cable openings in the cabinets and raised floor with the high flexible Daxten CoolControl Xpand. The product is available in various thicknesses (25mm, 32mm and 40mm) consists of foamed Nitrile Rubber that is perforated to contain cables. The CoolControl Xpand can be expanded like a concertina from 300 mm standard width up to 600mm. A single cable or cabling bundles can be simply fed through the flexible holes in the CoolControl Xpand. The cables are seamlessly enclosed and will be fixed airtight with the CoolControl Xpand into the cable opening of the raised floor. This prevents loss of conditioned air through unsealed cable openings and the efficiency at the cooling unit level increases and the consumption of energy declines significantly. The Daxten CoolControl Xpand is fire-rated according to Class '0' BS standards. The system is installed quickly using a simple installation procedure. This can be either retro-fitted to existing cabinets without the need for downtime or fitted to new openings.



Cable openings at the bottom of the cabinet are sealed airtight with the CoolControl Xpand.

## Specification – Daxten CoolControl Xpand

Material:	Foamed Nitrile Rubber. Fire-rated (Class 'O'). Perforated and expandable
Dimensions:	Width - 300mm Wide (expandable > 600mm)
	Thickness - 25mm, 32mm & 40mm
	Length - 25mm on 10m roll, 32mm on 6m roll & 40mm on 2m roll
Custom:	Can pre-cut to size



In 2010 the EU Joint Research Commission published the second version of the EU Code of Conduct Best Practice Guidelines for increasing Data Centre energy and cooling effectiveness.

According to these guidelines the sealing of cable openings in the raised floor is rated with the high value 3.

Since 2009 Daxten Ltd. is official endorser of the EU Code of Conduct on Data Centre Efficiency.

**For further information please contact us at [info.uk@daxten.com](mailto:info.uk@daxten.com), +44 (0)20 8991 6200 or visit [www.daxten.co.uk](http://www.daxten.co.uk).**

### Company profile

Daxten was founded in 1994 as Dakota Computer Solutions. Today Daxten is a market leader in data centre cooling optimisation solutions. As a manufacturer and distributor of innovative solutions, Daxten is at the forefront of promoting energy efficiency within the data centre. Daxten offers cutting edge mission-critical power distribution and management solutions which improve the energy efficiency and reliability of the data centre. Power distribution solutions such as Starline Track Busway support IT managers in their pursuit of reliability and efficiency of IT operations. The company has facilities and subsidiaries across Europe. As a provider of power and cooling optimisation and connectivity solutions it is our mission to support IT managers worldwide, to ease their working life, to protect their companies against downtime and to realize significant cost savings in their data centres. In Europe Daxten is headquartered in London and Berlin. For further information please visit [www.daxten.co.uk](http://www.daxten.co.uk).

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