

Colorduct II



HOTCHKISS AIR SUPPLY

Heating, Ventilating & Air Movement Equipment

Breathing new colour into buildings

At Hotchkiss we believe in developing every aspect of a building's potential. Flying in the face of the convention that states that air conditioning, ventilation and warm air heating systems are architectural and design no-go areas, we pioneered the concept of converting exposed ducts into pleasing aesthetic features. As a result ductwork came into the open.

Colorduct II was developed in the mid 80's by Hotchkiss Spiral Tubes now trading as Hotchkiss Air Supply. Hotchkiss Air Supply (part of the Hotchkiss Group of Companies) is now one of the leading suppliers of ventilation ductwork and accessories in the UK with a Midlands based head office and a national branch network.

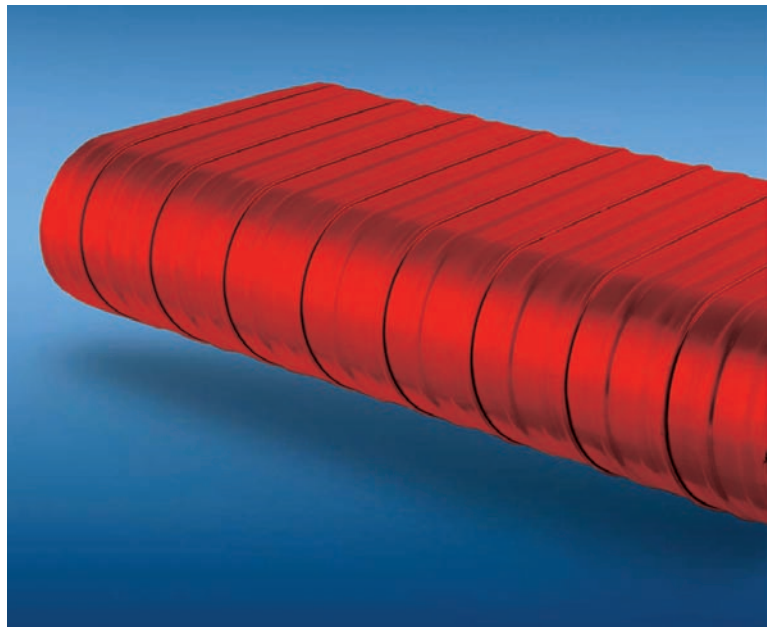
Our innovative ducting systems were quickly added to blueprints for all types of building where previously the idea of leaving building services exposed would have been considered unacceptable.

Colorduct II conforms to the DW/144 specification. Within this range you will find the appropriate solution to your ducting requirements – and an opportunity to turn a hidden utility into a conspicuous asset.

Why hide it?

Colorduct II is a highly visible, highly versatile, low cost system of coloured ducting that will enhance its environment. Only available from Hotchkiss, this pre-coloured ductwork system is especially suitable for public places such as airports, banks, office developments, business parks, atria, schools, roof tops, cafeterias, leisure centres and swimming pools.

Colorduct II enables ducting to become an essential design factor in air conditioning, ventilation and warm air heating applications. Resilient, long-lasting with low maintenance costs, it is available in circular, flat oval and rectangular formats, contributing a unique design flavour to any building where ductwork is on view.



The Colorduct II palette

Colorduct II special polyester powdered colour ducting is suitable for ductwork conforming to DW/144 specification, and is therefore highly flexible in application across a wide array of sizes. Its smooth, yet very tough non-inflammable coating offers a film thickness of no less than 50 and no more than 120 microns in standard circular and oval formats (rectangular also available) – and is the obvious choice for interior applications.

The route to greater colour

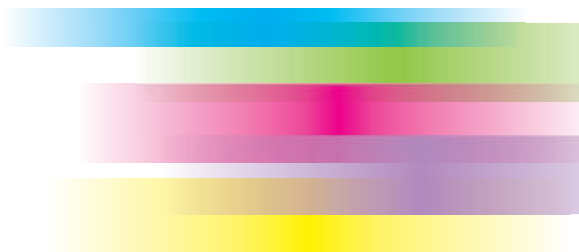
Colorduct II is available in a range of colours. Accent colours are brighter, more heavily pigmented and for that reason are more expensive. **Colorduct II** has the advantage of being available in any British Standard colour in both gloss and matt finishes.

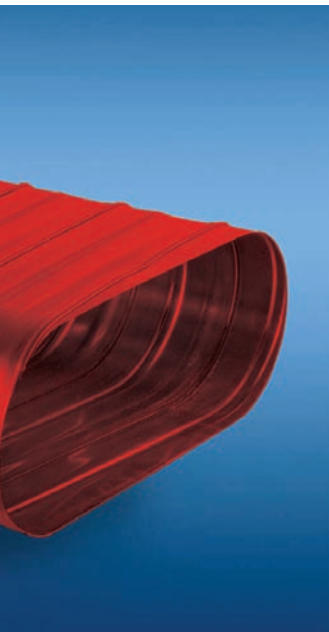
Specifiers are asked to remember that when **Colorduct II** is included in tender documents, we are unable to accept responsibility for the matching of colours if the total system of tubes and fittings is not purchased from Hotchkiss. If tonal consistency is critical a single contract should be sourced at the same time from the one production batch. If at the time of tendering the final colour has not been agreed, we reserve the right to quote for supply based on white or our nearest stock colour.

A word to the designer

It is worth making a note of the following:

- **Colorduct II** can only be manufactured to fully dimensioned drawings. Site cut lengths should be avoided.
- **Colorduct II** can be manufactured in gauges up to 1.6mm, with a maximum component length of 3 metres.
- Branches, grille spigots and access doors should be factory fitted.





To complement your design

Hotchkiss also produce a range of complementary products:

Pre-insulated COLORDUCT II

Where insulated ductwork is specified, **Colorduct II** has the solution. By incorporating a layer of flexible insulating material between the Colorduct outer skin and a galvanised inner skin, the thermal transfer properties of the ductwork can be maintained.

Quick Flange System

A fast jointing one bolt flange system ideally suited to the larger diameter circular **Colorduct II** installation. The flanges are colour matched to the ductwork and offer the advantage of faster installation times, as well as adding stiffness to the ductwork.

Accessories

A range of dampers, access doors, grilles and spigots that can be supplied to match any **Colorduct II** installation.

Supports and hangers

Colorduct II products have a unique finish which is part of their appeal. In consequence, supports have to be individually designed to suit the individual application.

External support brackets should be avoided where possible as these can detract from the overall appearance. Special support frames located internally within the ductwork have been designed by Hotchkiss to overcome this problem, with the added

advantage that they also serve to reinforce the ductwork. Please make the most of our valuable in-house experience by contacting our Technical Department who will be delighted to advise on types and applications of internal supports available.

Handling, storage and installation

As a specific-to-the-purpose product, **Colorduct II** should be treated with respect on-site and has been designed and specified to be clearly visible. For your convenience and safety we have compiled the following notes of guidance to ease the process of installation.

- 1 After inspection by the Hotchkiss Quality Assurance Department, each **Colorduct II** component is individually wrapped in protective bubble wrap film.
- 2 To avoid the possibility of damage, delivery to site should be delayed until installation can proceed. If on-site storage is unavoidable take care to select a location that is clean, dry and provides protection from damage by other site users. **Colorduct II** must never be dragged across abrasive surfaces or floors and, ideally, should be covered.
- 3 The key to successful installation is an understanding of how the support system works, taking care to ensure that the erection works in tandem with the supporting arrangement. Supports should be located with more precision than a normal ductwork installation and time allocated to accurately measure support points. This will ensure that the ensuing installation is straightforward.

- 4 The conventional process of jointing the components together can be best achieved by pre-drilling the outer skin using a template to ensure even rivet pitches. Sealant should be applied to the inner skin of the large end before insertion of the male end, making sure the duct sections are pushed tightly together. Care should be taken when drilling through the outer skin to prevent the drill chuck from damaging the coating.
- 5 Once the ductwork is in place, a fine bead of sealant should be applied to the outside of the joint, smoothed over and dried.
- 6 The sealant around the joint and pop rivet heads can now be carefully painted using the touch up paint supplied to you at the time of delivery.
- 7 Handling marks on the ductwork can be simply removed using a moist cloth and mild detergent.
- 8 The wrapping should be re-used on the ductwork for protection until the work is complete.

Maintenance

Its specially developed polyester finish provides **Colorduct II** with excellent protection against fresh and salt water degradation, resistance against a variety of oils and many forms of mild chemical vapours. In consequence, routine maintenance can be achieved through occasionally washing the ductwork.



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