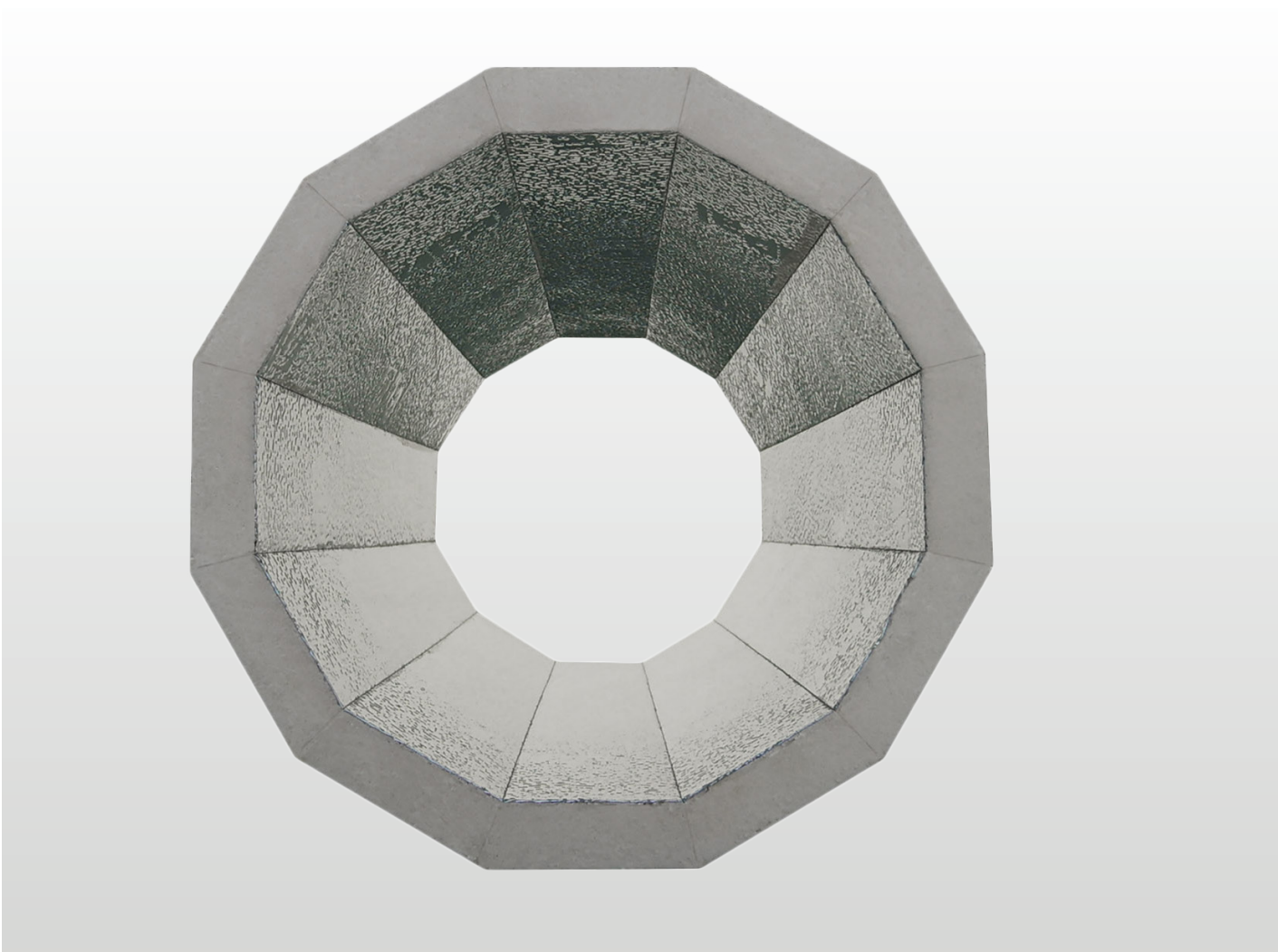


Insulation



PalDuct™ Spiral System

Technical Data Sheet



Fibre-free
Core



Product Information

Product Description

The Kingspan PalDuct Spiral System is an advanced and innovative pre-insulated spiral HVAC ductwork system.

It comprises Kingspan PalDuct panels, fabrication methods, coupling systems and a complete line of spiral elbows, reducers, tees, branches, connections, volume dampers and support systems to produce spiral ductwork in sections up to 4 m long.

Application Suitability

The Kingspan PalDuct Spiral System is designed for use in building services/HVAC applications. It is suitable for both new build and refurbishment projects in the residential, commercial, public, light industrial and leisure sectors. It is especially suitable for use on high specification projects where insulants with a fibre-free core may be preferred. Spiral ductwork is often suitable for the following projects:

- swimming pools;
- sport centres;
- exhibition halls; and
- shopping centres.

Fabrication and Installation

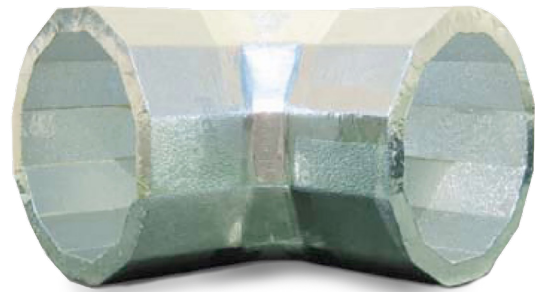
Ductwork fabricated from The Kingspan PalDuct Spiral System should only be fabricated by specially trained fabricators who have completed the specialised and comprehensive training course provided for the System.



Kingspan PalDuct PIR Panels

The Kingspan PalDuct Spiral System can be fabricated using either Kingspan PalDuct PIR Panels comprising a fibre-free high performance rigid thermoset polyisocyanurate (PIR) insulation core or Kingspan PalDuct PUR Panels comprising a fibre-free high performance rigid thermoset polyurethane (PUR) insulation core. Both panels are either faced on both sides with an embossed aluminium foil or on one side with an embossed aluminium foil and on the other side a smooth aluminium foil. All foils are lacquered with a corrosion resistant polymer varnish.

Property	Value	Standard
Thickness (mm)	20	
Panel Dimensions (mm)	From 100 to 1000	
Density (kg/m ³)	45 + 3%	
Thermal Conductivity (W/m.K)	0.020 @ 10°C	ASTM C 518
Fire & Smoke Classification	Class C-s2-d0 Class A	EN 13501 NFPA 101 Life & Safety Code



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