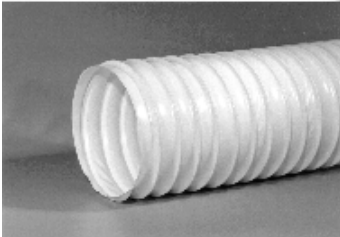


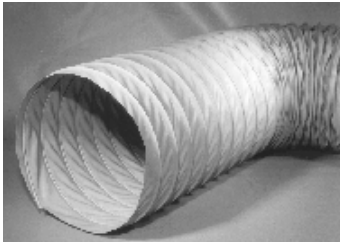
SYNTHETIC DUCTS

SYNTHETIC ducts are completely flexible, Iducts for several applications. The ducts are suitable for flexible mounting and can be mounted to round and oval connection pieces. The **GREYDEC®** ducts are also capable of absorbing prolonged vibrations.

The **SYNTHETIC DUCT-** series consists of:



The **PVC**: Very flexible duct consisting of PolyVinylChlorid.



The **GREYDEC® 100**: consisting of a polyamide fabric, coated with a copolymer. The spiral wire has been inserted into the fabric.

The **PVC & GREYDEC®** fulfill all the requirements and are classified as specified within:
EN 13180 : "Ventilation for buildings-Ductwork- Dimensions and mechanical requirements for flexible ducts"

Applications in practice.

PVC

- Mechanical air supply systems
- Air conditioning systems
- Exhausting/discharging at domestic equipment like clothes driers
- Ventilation cabinets
- Consult the selection tables

GREYDEC® 100

- Mechanical air supply systems
- Machine exhausting
- Air supply and ventilation systems
- Air supply cabinet in air conditioning systems; the **GREYDEC® 100** is capable of absorbing prolonging vibrations because of its mechanical strength
- Consult the selection tables

The **SYNTHETIC** ducts are not suitable for transporting air with solvents and a high temperature, like combustion gas and for transporting combustion gases from wood-or coal-fired sources of heat.

PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

To select the appropriate **Synthetic** product, consult the table on the next page.

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SYNTHETIC DUCTS

	PVC	GREYDEC® 100
Mechanical properties		
Temperature range (°C)	-20 - +70	-5 - +70
Maximum operating pressure (Pa)	+3000	+3000
Maximum air velocity (m/s)	30	30
Diameter range (mm)	82 - 203	76 - 710
Fire classes according to		
The Netherlands (NEN 6065/6066)	x	x
Germany (DIN 4102)	x	x
France (CSTB)	x	x
Switzerland (BKZ)	x	x
United Kingdom (BS 476)	x	x
Austria (B3800)	x	x
Sweden (Swedcert)	x	x
Italy (CSI)	x	x
Technical data		
Article code	P{Ø}	DG1{Ø}
Material structure	1 layer	
Construction	see product specific properties	
Wire spacing		
Ø 76 - 90 mm	25 mm	34 mm
Ø 100 mm and larger	36 mm	47 mm
Minimum bending radius	0.55 x Ø	0.56 x Ø
Standard length (meters)	15	10
Standard color	White	Grey *

x Not been tested.

* Greydec 100 available in white on request.

Product specific properties

PVC wit Construction: PolyVinylChloride

GREYDEC® 100 Construction: Polyamide fabric, both sides coated with a copolymer

The **Greydec® 100** and **PVC** are also available as rectangular duct in several sizes and colors. The standard color is white and the standard length is 6mtr.

Product code Greydec® 100:	Product code PVC duct:	Sizes:	Length:
DW1110x54/6	P110x54/6	110mm x 54mm	6Mtr
DW1140x54/6	P140x54/6	140mm x 54mm	6Mtr
DW1180x54/6	P180x54/6	180mm x 54mm	6Mtr
DW1195x54/6	P195x54/6	195mm x 54mm	6Mtr
DW1222x58/6	P222x58/6	222mm x 58mm	6Mtr
DW1115x55/6	P115x55/6	115mm x 55mm	6Mtr
DW1150x70/6	P150x70/6	150mm x 70mm	6Mtr

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