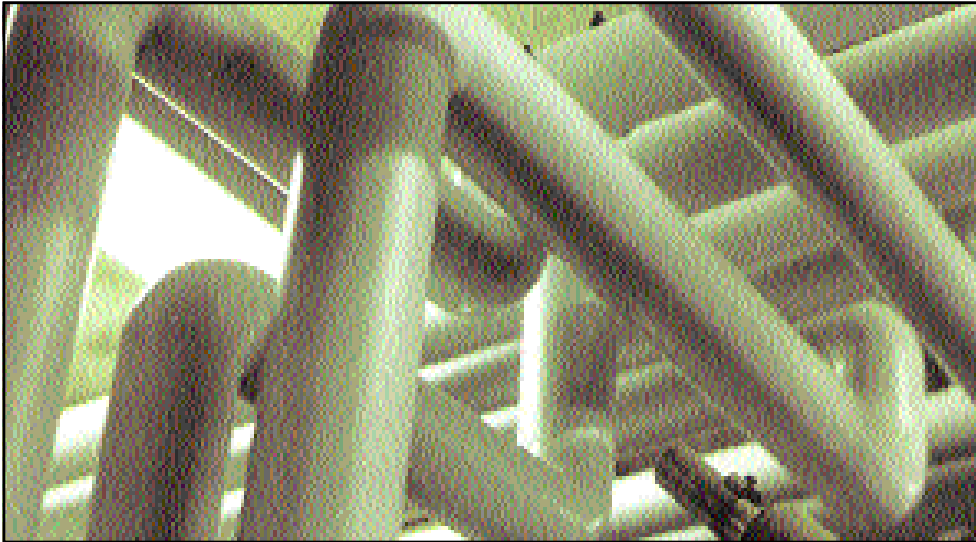


# Isogenopak

## Description

**Isogenopak** is a lightweight, self-extinguishing, unplasticised, calendered, rigid PVC film, which is virtually impervious to water. It is designed to cover thermal and acoustic insulation fitted on internal pipes and ducts and provides an anti-static, easy to clean surface finish.



The film has a smooth surface with good anti-static characteristics, which requires no care or maintenance. It is easily cleaned with water and mild detergent.

**Isogenopak** is available in rolls, with a built-in 'curl' to minimise the time required to cover pipes, and in flat sheets for covering both rectangular and circular ducts. A wide range of pre-formed 'S' and 'W' bends and 'T' sections is available to complete the aesthetics and to ensure that fitting around corners and at junctions is quick and easy.

## Colour

Light Grey ref: BS00A01, or White subject to special order and minimum quantity. **Isogenopak** can be painted with water-based paint subject to discussion with **Hodgson & Hodgson Group Ltd**

## Application

**Isogenopak** is designed for INTERNAL applications only and is NOT SUITABLE for external use.

**Isogenopak** is used extensively where a clean, hygienic surface finish is required in boiler rooms, commercial and industrial buildings, food and beverage processing factories, 'clean' rooms, medical centres, hospitals, drug manufacturing units, schools, sports and entertainment facilities and in any area where the mechanical services are exposed to view.

## Operating Temperature

**Isogenopak** is suitable for use on internal pipes and ducts and is resistant to changes in temperature. It remains stable at temperatures ranging from -20°C to 65°C

## Fire Performance

**Isogenopak** meets the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7: 1997 (as amended) when left in its natural light grey state. Painting could adversely effect the fire performance of the material.

**Thermal Conductivity** 0.16 W/mK

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## Durability

Characteristic	Value	Unit	Measuring Method
Moisture resistance factor $\mu$	approx. 60,000	--	DIN 52615
Impact strength	$\geq 400$	KJ/m <sup>2</sup>	DIN EN ISO 8256
Tensile strength	$> 35$	N/mm <sup>2</sup>	DIN EN ISO 527
Elasticity modulus	approx. 1800	N/mm <sup>2</sup>	DIN EN ISO 527
Linear heat expansion coefficient	$0.9 \times 10^{-4}$	1/K	Leitz-Dilatometer
Emissivity $\epsilon$	97	%	ISO 10292-A

## Chemical Resistance

Material	Temp °C	Resistance	Material	Temp °C	Resistance
Acetaldehyde up to 40 %, aqueous	20	▶	Sodium chloride	40	●
Acetone, aqueous	20	○	Carbon monoxide, 100%, gaseous	60	●
Aldehyde, 100%	20	○	Methyl alcohol, every concentration	40	●
Aluminium salts	40	●	Mineral oils	60	●
Ammonia, aqueous	40	●	Sodium hydroxide, 60%, aqueous	60	●
Ammonia, gaseous	60	●	Mercury	60	●
Benzene (pure aliphatic hydrocarbons)	60	●	Nitric acid, diluted, aqueous 30-50%	50	●
Benzene-benzole mix (fuel)	20	○	50-65%	20	●
Chlorine, gaseous (>1%), wet	20	▶	98%	20	○
Chlorine, gaseous, dry	20	▶	Hydrochloric acid, aqueous up to 30%	60	●
Hydrogen chloride, dry	60	●	Hydrogen, gaseous	60	●
Iron salts, diluted solutions	40	●	Sulphur dioxide, gaseous (wet)	40	●
saturated solutions	60	●	gaseous (dry)	60	●
Acetic acid, 25-60%	60	●	Sulphuric acid, 40-80%	60	●
Ethyl alcohol, solutions	40	●	80-90%	40	●
96%	60	▶	96%	20	●
Glycerine	60	●	96%, fuming	60	▶
Potassium hydroxide solution, 50%	60	●	Carbon tetrachloride	20	▶
Potassiferous salts	40	●	Hydrogen, gaseous	60	●

Key: ○ = not resistant    ▶ = resistant under certain conditions    ● = resistant

## Dimensions and Weight

Isogenopak	Thickness mm	Dimensions width x length	Weight	
			kg/m <sup>2</sup>	kg/roll or sheet
Rolls	0.35	1m x 35m	0.50	17.5
	0.50	700mm x 50m	0.71	24.85
Flat Sheet	0.50	1m x 1500mm	0.71	1.06

## For Further Information

contact  
**Hodgson & Hodgson  
Group Ltd**

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## Ancillary Products

Adhesive, solvent, rivets, matching coloured self-adhesive tape, end-capping and a wide range of 'S' and 'W' bends together with 'T' sections are available to complete the installation and fitting of **Isogenopak**. Full details available from **Hodgson & Hodgson Group Ltd**.



## Installation and Fitting

See separate leaflet available from **Hodgson & Hodgson Group Ltd**.

## Availability

**Isogenopak** is available through a national network of specialist insulation distributors, contact **Hodgson and Hodgson Group Ltd** for further information.