

# SUPAPHEN Pipe Supports

## Data Sheet

### SUPAPHEN High Density Phenolic Pipe Supports

The use of factory manufactured phenolic foam insulated load bearing pipe support inserts will greatly reduce the risk of condensation on cold/chilled water pipe applications, providing continuous insulation and vapour resistance as well as enhancing the thermal insulation performance of the system.

Supaphen pipe support inserts are manufactured from high density phenolic insulation to suit a full range of diameters and thicknesses covering copper, steel and plastic pipes.

BS5970 2012 Thermal insulation code of practice recommends the use of Insulated pipe support inserts and that the pipe support bracket be fixed over load bearing insulation of the same material (or compatible with) the insulation on the pipe.

Supaphen pipe supports are supplied with a factory applied aluminium foil vapour barrier and are cut to the required length per the table below. A half metal sleeve (or full if required) is applied as standard from 48mm diameter per the table below. Supaphen pipe supports are bore coated in line with major engineering specifications.

Supaphen HD phenolic complies with the requirements of product standard EN14314.

Contact MWI for further technical data on the specification and application of Supaphen pipe supports.

### Supaphen pipe supports standard specification.

Pipe Size OD	Support Length	Metal Spreader Plate	Max Support Centres	Density (kg/m <sup>3</sup> )
15 – 42mm	100m	none	3m	80
48 – 140mm	100m	1mm	4m	80
168 – 273mm	125m	1.5mm	6m	120
298 – 457mm	200m	2mm	6m	120

Please contact MW for non standard applications i.e on roller supports or larger diameters.

Supaphen Heavy Density Phenolic	Technical Data	
Density	80kg/m <sup>3</sup>	120kg/m <sup>3</sup>
Colour	Grey	Grey
Thermal Conductivity Aged	0.034 W/mK	0.045 W/mK
Temperature Range	-50°C to +110°C	-50°C to +110°C
Compressive Strength (Parallel to Rise)	> 470 kPa	> 1000 kPa
Tensile Strength (Parallel to Rise)	> 520 kPa	> 800 kPa
Fire Test Classification	EN13501-1. B <sub>L</sub> s1 d0	



### Supaphen Approvals & Compliance



### MW Insulation Ltd Approvals & Compliance



Disclaimer - The values provided are typical and accurate but subject to normal variation. The information contained on this data sheet is believed to be correct at the time of publication. MW Insulation reserves the right to amend the product data/specification without notice. MW Insulation makes no guarantees nor provides warranties about the suitability of the product for a chosen application. If in doubt or for any advice, please contact MW Insulation Ltd.

# SUPAPHEN

HEAVY DENSITY

## DECLARATION OF PERFORMANCE

In accordance with EN14314:2009+A1:2013



1. Unique identification code of the product type	SUPAPHEN HD
2. Type, batch or serial number	Phenolic HD pipe section/pipe supports with factory applied aluminium foil vapour barrier and bore coating
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer:	Thermal insulation products for building equipment and industrial installations
4. Name and contact address of the manufacturer	MW Insulation Ltd. Unit 2, Guinness Road Trading Estate, Trafford Park, Manchester M17 1SB
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3
6. Name and identification number of notified body	MA 39 (NB 1140)

7. Essential characteristic -(EN14314-ZA1)	Symbol	Performance (a)	
Reaction to fire	Class	BL s1 d0	
Thermal resistance	Thermal conductivity	$\lambda_D$	See Curve
	Dimensions and tolerance	$d_D$	$\pm 1,5\text{mm}$
	Closed cell	CV	
Water vapour permeability	MU	NPD	
Compressive strength	Compression resistance properties	CS(10/Y)	80kg – 470kpa 120kg – 1000kpa
Rate of release of corrosive substance (only when the product is intended to be used in contact with metals)	CL	-	-
Release of dangerous substances to the indoor environment	-	-	-
Continuous glowing combustion	-	-	NPD
Durability of reaction to fire against ageing/degradation an high temperature	-	-	(b)
Durability of thermal resistance against ageing/ degradation an high temperature	Thermal conductivity	see $\lambda_D$	80kg – 0.034 W/mK 120kg – 0.045 W/mK
	Durability characteristics	-	
	Closed cell	CV	
Durability of dimensional stability against/ degradation and specified conditions	Durability characteristics	-	NPD
	Dimensional stability under specified conditions	-	NPD
8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.			

Signed for and in name of manufacturer:

NAME: Mike Whelan,  
Managing Director (Manchester)  
DATE: 3rd April 2023 (updated)

(a) The requirement on certain characteristics is not applicable to those Member States (MSs) where there are no regulatory requirements for that characteristic for the intended use of the product  
(b) No change to reaction to fire for phenolic foam products

