

SUSPENDED CEILING AND ROOF VOID PRODUCTS

INTERIOR

Data Sheet 1001 V1.0.0

The CCL range of ceiling and roof void products are designed to provide thermal and acoustic insulation for suspended ceiling systems and roof voids.

Description:

The range consists of glass wool or rock wool insulation that has been enclosed in polythene to restrict the migration of fibres and irritate handling.

SPECIFICATIONS

Whilst offered in standard thicknesses and sizes, our bespoke production facility can offer non-standard sizes to suit customer specific requirements.

Please contact our sales office with your specific requirement for further information.



THERMAL GLASS WOOL INSULATION CUSHIONS

Thermal Conductivity 0.044 W/mK

Insulation core fire classification when tested to EN13501:2018—A1

Product Code	Product Dimensions (HxWxL)
GWRPE100A	100mm x 600 x 600
GWRPE150A	150mm x 600 x 600
GWRPE200A	200mm x 600 x 600
GWRPE270A	270mm x 600 x 600
GWRPE300A	300mm x 600 x 600
GWRPE050B	50mm x 600 x 1200
GWRPE100B	100mm x 600 x 1200
GWRPE150B	150mm x 600 x 1200
GWRPE200B	200mm x 600 x 1200
GWRPE270B	270mm x 600 x 1200
GWRPE300B	300mm x 600 x 1200

ACOUSTIC & THERMAL GLASS WOOL INSULATION CUSHIONS

Thermal conductivity 0.036 to 0.038 W/mK

Nominal density 16 to 18kg per m³
Insulation core fire classification when tested to EN13501:2018—A1

Product Code	Product Dimensions (HxWxL)
GWRPEAC025A	25mm x 600 x 600
GWRPEAC025B	25mm x 600 x 1200
GWRPEAC050A	50mm x 600 x 600
GWRPEAC050B	50mm x 600 x 1200
GWRPEAC100A	100mm x 600 x 600
GWRPEAC100A	100mm x 600 x 1200

THERMAL GLASS WOOL INSULATION ROLLS

Thermal conductivity 0.044 W/mK

Insulation core fire classification when tested to EN13501:2018—A1

Product Code	Product Dimensions (HxWxL)
GWPER100A	100mm x 2/600 x 10.1m
GWPER150A	150mm x 2/540 x 6.65m
GWPER200A	200mm x 2/540 x 4.85m



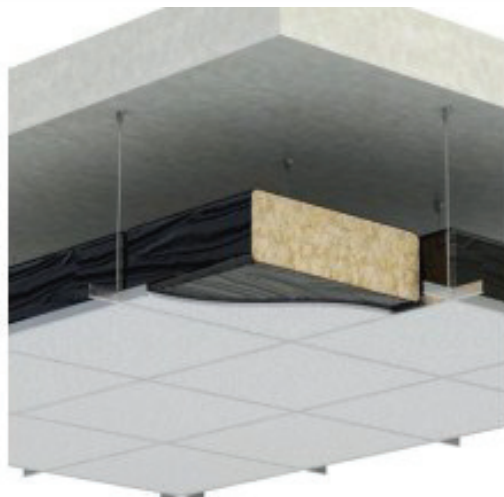
ACOUSTIC AND THERMAL ROCK WOOL INSULATION PADS

Thermal Conductivity 0.044 W/mK

Insulation core fire classification when tested to EN13501:2018—A1

Product Code	Product Dimensions (HxWxL)	Density kgm3		Product Code	Product Dimensions (HxWxL)	Density kgm3
MWS45PE025A	25mm x 600 x 600	45		MWS80PE025A	25mm x 600 x 600	80
MWS45PE050A	50mm x 600 x 600	45		MWS80PE050A	50mm x 600 x 600	80
MWS45PE075A	75mm x 600 x 600	45		MWS80PE075A	75mm x 600 x 600	80
MWS45PE100A	100mm x 600 x 600	45		MWS80PE100A	100mm x 600 x 600	80
MWS45PE150A	150mm x 600 x 600	45		MWS80PE025B	25mm x 600 x 1200	80
MWS45PE025B	25mm x 600 x 1200	45		MWS80PE050B	50mm x 600 x 1200	80
MWS45PE050B	50mm x 600 x 1200	45		MWS80PE075B	75mm x 600 x 1200	80
MWS45PE075B	75mm x 600 x 1200	45		MWS80PE100B	100mm x 600 x 1200	80
MWS45PE100B	100mm x 600 x 1200	45				
MWS45PE150B	150mm x 600 x 1200	45				

MWS60PE025A	25mm x 600 x 600	60		MWS100PE025A	25mm x 600 x 600	100
MWS60PE050A	50mm x 600 x 600	60		MWS100PE050A	50mm x 600 x 600	100
MWS60PE075A	75mm x 600 x 600	60		MWS100PE075A	75mm x 600 x 600	100
MWS60PE100A	100mm x 600 x 600	60		MWS100PE100A	100mm x 600 x 600	100
MWS60PE150A	150mm x 600 x 600	60		MWS100PE150A	150mm x 600 x 600	100
MWS60PE025B	25mm x 600 x 1200	60		MWS100PE025B	25mm x 600 x 1200	100
MWS60PE050B	50mm x 600 x 1200	60		MWS100PE050B	50mm x 600 x 1200	100
MWS60PE075B	75mm x 600 x 1200	60		MWS100PE075B	75mm x 600 x 1200	100
MWS60PE100B	100mm x 600 x 1200	60		MWS100PE100B	100mm x 600 x 1200	100
MWS60PE150B	150mm x 600 x 1200	60		MWS100PE150B	150mm x 600 x 1200	100



ABSORPTION CO-EFFICIENTS

Absorption c0-efficients - S + Solid Backing

Rock Mineral Wool Slabs - made with ECOSE™ Technology

Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
RS33							
40S	0.19	0.46	0.79	0.92	1.00	1.00	0.80
100S	0.57	1.00	1.00	1.00	1.00	1.00	1.20
RS45							
25S	0.1	0.3	0.58	0.79	0.97	1.00	0.65
75S	0.41	0.93	1.00	1.00	1.00	1.00	1.10
100S	0.71	1.00	1.00	1.00	1.00	1.00	1.20
RS60							
25S	0.08	0.30	0.62	0.84	1.00	1.00	0.65
75S	0.5	1.00	1.00	1.00	1.00	1.00	1.15
RS80							
75S	0.53	1.00	1.00	1.00	1.00	1.00	1.15
RS100							
25S	0.09	0.30	0.75	0.93	1.00	1.00	0.75
50S	0.32	0.91	1.00	1.00	1.00	1.00	1.05
RS140							
50S	0.33	0.82	1.00	1.00	1.00	1.00	1.00

CCL polythene enclosed slabs are very often used as part of a system designed to provide a particular sound absorption or resistance performance. The following chart details the absorption co-efficients for the various densities of insulation offered. These can be used in conjunction with the performance other elements in the system to provide supporting information in regards to acoustic performance.

To compliment the CCL range of polythene enclosed suspended ceiling insulation, CCL also provide a full range of plain, faced and enclosed rock wool insulation slabs for use in interior applications such as above partitions and inside perforated metal ceilings systems. Please refer to Product Data Sheet 2001 for further information

