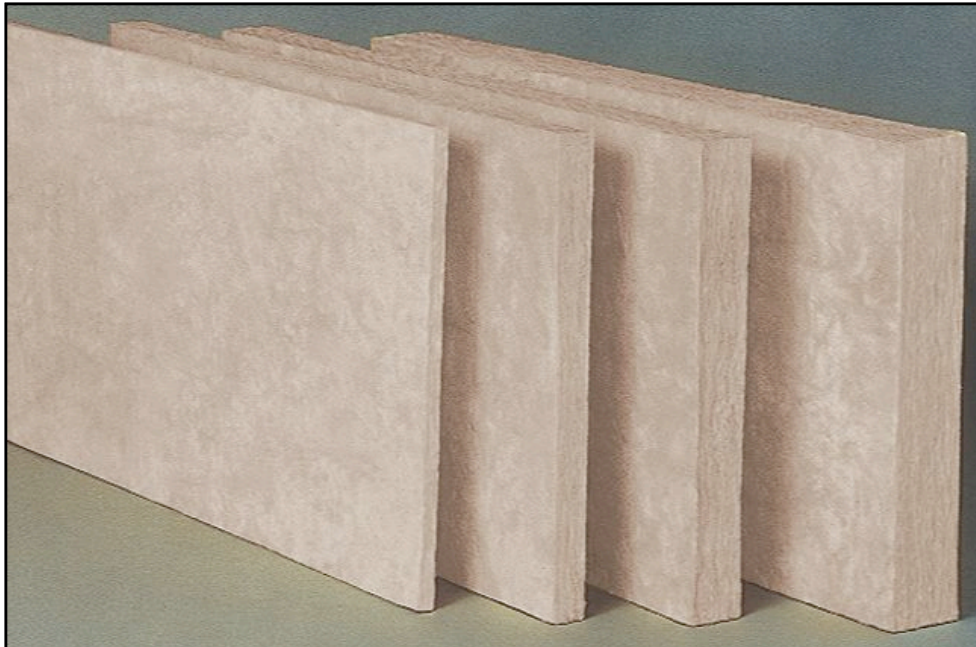


# Universal Slabs

## Description

**Universal Slabs** are a range of semi-rigid to rigid, non-combustible mineral wool slabs manufactured from glass fibre bonded with a high performance bio-based, formaldehyde-free binder.



**Universal Slabs** are available in a wide range of densities to suit almost any thermal or acoustic insulation application and they can be die-cut to size and shape to suit client specific requirements. Slabs can be supplied plain or alternatively faced one or both sides with reinforced Bright Class 'O' foil.

**Colour** - Brown

## Environmental Consideration

**Universal Slabs** are free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture and content and represent no known threat to the environment. The manufacturing process has a low impact on the environment and is classified as Zero ODP and Zero GWP.

## Application

**Universal Slabs** are used extensively for the production of parts used for the thermal and acoustic insulation of domestic and industrial cookers, heating appliances, boilers, hot and cold water tanks, air conditioning equipment and railway rolling stock.

## Standards

**Universal Slabs** are non-combustible inorganic glass mineral wool, defined as mineral wool in BS 3533: 1981 and are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000 and Product Standard EN 13162..

## Fire Performance

Unfaced, **Universal Slabs** achieve a Euroclass A1 fire rating (non-combustible) when tested in accordance with BS EN ISO 13501-1.

## Vapour Resistance

**Universal Slabs** offer virtually no vapour resistance, allowing water to pass freely through the slab. They have a vapour resistivity of 7.00 MN.s.g.m

## Thermal Conductivity

CS24	-	0.035 W/mK
CS32	-	0.034 W/mK
CS48	-	0.032 W/mK

## Thermal Resistance

CS24	-	100mm thick	2.85 m <sup>2</sup> K/W
CS24	-	75mm thick	2.10 m <sup>2</sup> K/W
CS24	-	50mm thick	1.40 m <sup>2</sup> K/W
CS32	-	100mm thick	2.90 m <sup>2</sup> K/W
CS32	-	75mm thick	2.20 m <sup>2</sup> K/W
CS32	-	50mm thick	1.45 m <sup>2</sup> K/W
CS32	-	40mm thick	1.15 m <sup>2</sup> K/W
CS32	-	25mm thick	0.70 m <sup>2</sup> K/W
CS48	-	75mm thick	2.30 m <sup>2</sup> K/W
CS48	-	50mm thick	1.55 m <sup>2</sup> K/W
CS48	-	40mm thick	1.25 m <sup>2</sup> K/W
CS48	-	25mm thick	0.75 m <sup>2</sup> K/W

## Dimensions and Density

Product Variant	Nominal Thickness (mm)	Nominal Length (mm)	Nominal Width (mm)	Area per Pack (m <sup>2</sup> )	Slabs per Pack
CS24	100	1200	600	5.76	8
	75	1200	600	7.20	10
	50	1200	600	11.52	16
CS32	100	1200	600	4.32	6
	75	1200	600	5.76	8
	50	1200	600	7.92	11
	40	1200	600	10.80	15
	25	1200	600	18.00	16
CS48	75	1200	600	4.32	6
	50	1200	600	5.76	8
	40	1200	600	7.20	10
	25	1200	600	10.80	15

**Note:** Other slab sizes may be available subject to minimum order quantities. Further details available on request.

## Packaging and Handling

**Universal Slabs** are easy to handle and install and being lightweight, easily cut to size. **Universal Slabs** are supplied in polythene packs which are designed for short term protection only. For longer term protection, they should be either stored indoors or under cover and off the ground. **Universal Slabs** should not be left permanently exposed to the elements.

## Permanence

**Universal Slabs** are rot-proof, odourless, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

## For Further Information

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