



mineral wool slab



NOBASIL MPN

Technical certificate: MW-EN 13162-T5-DS(TH)-WS-WL(P)-AF5

EC certificate of compliance Reg. No.: K1-0751-CPD-146.0-01-01/07

MPN



Description

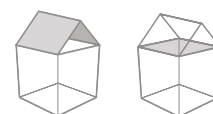
NOBASIL MPN slab is made from basalt fibres, bonded together with resin. It is hydrophobic throughout its cross section.

Use

NOBASIL MPN slab is intended for thermal, acoustic and fireproof insulation of building structures and industrial facilities, in which the insulation is not under compressive stress e.g. pitched roofs, ceilings and other structures without static loads. It is not intended for locations subject to jolting or vibrations. It can be used for insulation of joisted floors.

NOBASIL MPN slab

- it has low thermal conductivity – excellent insulation properties
- it is non-combustible – it increases the passive safety of buildings
- it has acoustic properties – it absorbs impact sound energy
- it has a low vapour diffusion resistance factor – air permeable
- it is biologically stable – on correct application it maintains long-lasting insulation properties
- it is resistant to microorganisms and rodents
- it is chemically neutral – it does not react with surrounding materials
- under changing temperatures it is stable in volume and shape
- it is easy to cut to the required size and shape
- it does not absorb water – hydrophobic throughout its cross section
- its surface can be modified by facing with light-weight fabric, or aluminium foil
- during transport, storage and installation it must be protected from the effects of the weather



Product dimensions

Thickness	Width	Length
40 - 200 mm	600 mm	1000 mm

Other sizes

- (Non-standard sizes can be arranged with the manufacturer.)

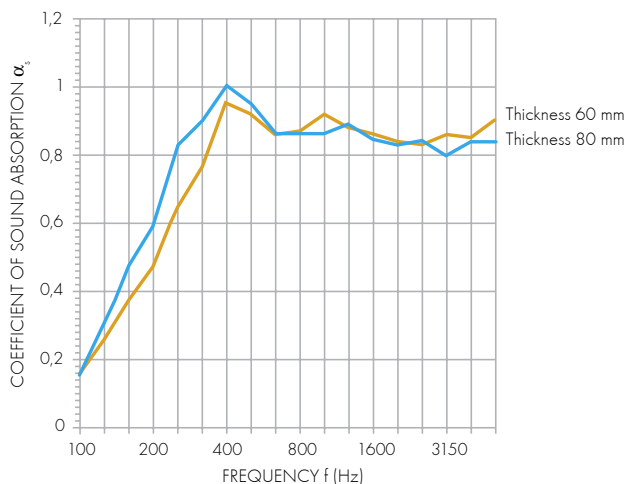
Mechanical and physical properties

Property	Unit	Value	EN Standard
coefficient of thermal conductivity λ_D	$W \cdot m^{-1} \cdot K^{-1}$	0,039	12667
thickness class	mm	T5	13162
fire classification	-	A1	13501-1
short-term water absorption	kg/m^2	max. 1	1609
long-term water absorption	kg/m^2	max. 3	12087
air flow resistance	kNs/m^4	5	29053
fire resistance rating	min.	23 min., Thickness 80 mm	1363-1
		23 min., Thickness 100 mm	
		38 min., Thickness 150 mm	

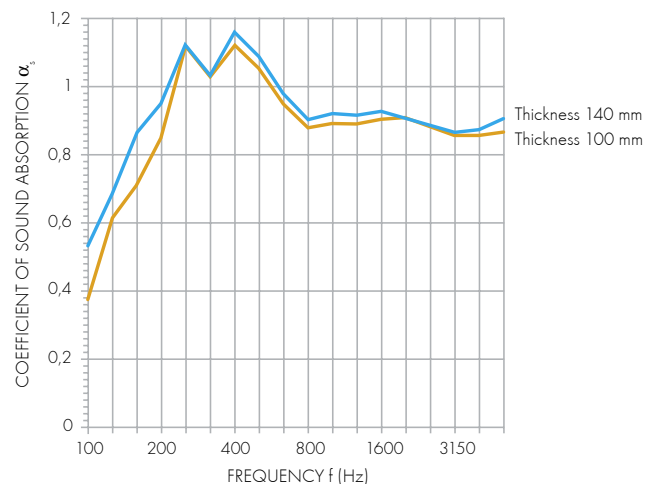
Packaging

- The appropriate number of slabs are stacked in the form of a bale, which is shrink-wrapped in PE film.
Other packaging methods can be arranged with the manufacturer.

Acoustic properties



informative value of the coefficient of sound absorption α_s
According to EN ISO 354 for **NOBASIL MPN**, Thickness 60 mm and 80 mm.



informative value of the coefficient of sound absorption α_s
According to EN ISO 354 for **NOBASIL MPN**, Thickness 100 mm and 140 mm.