LEMGA
Milliveggjasteinar

LEMGA milliveggjasteinar eru framleiddir úr hita-og þrýstihertri frauðsteypu hjá SCHALAMANN KG í Þýskalandi og þeir uppfylla íslenskar reglugerðir. Með LEMGA steinum er hægt að ganga frá milliveggjum á hagkvæman hátt. Steinarnir er framleiddir af mikilli nákvæmni sem gerir það verkum að ekki þarf að nota grind til þess að hlaða milliveggi. Yfirborðið er mjög slétt og því þarf bara þunna múr- eða sparslhúð í lokafrágang. LEMGA steinarnir eru basískir og innihalda ekki lífræn efni sem hefur meðal annars þau áhrif að að myglusveppir þrífast ekki í sambúð við þá.

Þrýstistyrkur frauðsteypunnar er >5 MPa og eru steinarnir gegnheilir og því er hægt að nota hefbundna múrtappa og skrúfur í veggina.

Staðall
ÍST EN 771-4:20011+A1:2015

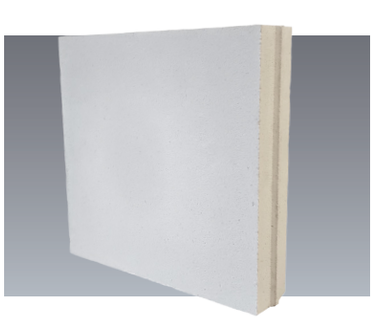
Leyfileg frávik
Lengd og breidd ± 1,5mm
Hæð ± 1,5mm

Múrefni
LEMGA múrefni skv. EN 998-2

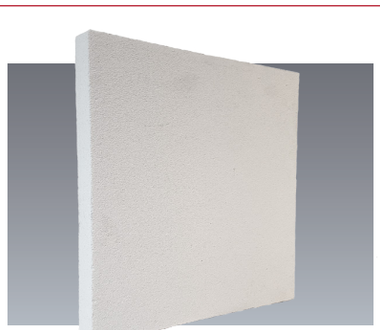
Tæknilegir eiginleikar

Brunaþol A1 skv. EN 13501	
Hljóðeinangrun skv. EN 12354	
Rúmþyngd	0,5 kN/m3
Þrýstistyrkur	>5 MPa
Varmaleiðni	0,13 [W/(m*K)
Eiginþyngd	6,0 kN/m2
Leyfileg þrýstispenna	1,0 MN/m2
Gufumótstaða	5/10
Brunarþolsflokkur	A1

Stærðir



Lengd: 499 mm
Hæð: 499 mm
Breidd: 115 mm



Lengd: 499 mm
Hæð: 499 mm
Breidd: 50 mm

Hurðastykki

Lengd: 1250 mm
Hæð: 125 mm
Breidd: 115 mm

LEMGA Porenbeton Planelemente PP4-0,50 - Z-17.1-484

Declaration of Performance

No.: PBWSL-0200511-1

1 Unique identification code of the product-type:

PBWSL-0200511-1

2 Intended use/es:

In masonry walls, columns and partitions

3 Manufacturer:

Schlamann Porenbetonwerk GmbH
Am Kalksandsteinwerk 2
31608 Marklohe
Deutschland

4 System/s of AVCP:

2+

5 Harmonised standard:

EN 771-4:2011+A1:2015

Notified body/ies:

Qualitätsgemeinschaft Mauerwerksprodukte e.V. (identification number: 0839)

6 Declared performance/s:

Essential characteristic	Performance
Dimensions and dimensionals tolerances	
Dimensions	
length	499 mm
width	115 mm
height	499 mm
Dimensional tolerances	
tolerance category	TLMB
flatness of bed faces	≤ 1,0 mm
plane parallelism of bed faces	≤ 1,0 mm
Configuration	
group according to EN 1996	Gruppe 1
Compressive strength	
Compressive strength (perpendicular to bed)	
type of specimen	c (cut cubes)
category	I
mean compressive strength	≥ 4,6 N/mm²
normalised compressive strength	≥ 4,6 N/mm²

Dimensional stability		
	Moisture movement	
	conventional reference value of drying shrinkage $\varepsilon_{cs,ref}$	≤ 0,2 mm/m
	total value of drying shrinkage $\varepsilon_{cs,tot}$	≤ 0,4 mm/m
Bond strength		
	Shear bond strength	
	characteristic initial shear strength with thin layer mortar	NPD
	Flexural bond strength	
	$f_{xk,i}$ with thin layer mortar	NPD
Reaction to fire		
	reaction to fire class	A1
Water absorption		
	water absorption coefficient	NPD
Water vapour permeability		
	Water vapour diffusion coefficient (μ)	NPD
Direct airborne sound insulation/[Density and configuration]		
	Density	
	mean gross dry density	475 kg/m³
	min individual value of gross dry density	≥ 450 kg/m³
	max individual value of gross dry density	≤ 500 kg/m³
	mean net dry density	NPD
	Configuration	see above
	Dimensions and dimensionals tolerances	see above
Thermal resistance/[Density and configuration]		
	Thermal properties	
	mean thermal conductivity ($\lambda_{10,dry,\ unit}$)	≤ 0,125 W/mK
	determination model according to EN 1745	S2
Durability against freeze/thaw		
	Durability	
	freeze-thaw resistance	NPD

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Carsten Schlamann - general manager

.....(Name and Function).....

02.05.2017
.....(date of issue).....

.....(signature).....