

CN sound & heat insulation

Ceramic expanded clay made of selected untreated Eocene clay with over 60% Montmorillonit clay, expanded and fired in a rotary kiln according to the Leca method.

- Fireproof
- Good heat storage
- Compression-resistant
- Positionally stable
- Extremely light
- Biologically and chemically neutral
- Odourless
- Structurally stable
- Resistant to decay, rotting and decomposition
- Rodent-proof
- Ecological
- Easy to process
- Recyclable



04
0615 - CPD - 9739

DIN EN 13055-1



MPA, Braunschweig

DS/ES ISO 9001:2000 quality management system

DS EN ISO 14001:2004 environmental management system

DS 2403:2001 energy management system

Physical properties

	Sound-absorbing	Crush-resistant	Thermally insulating
Granule size group (mm)	0.5 - 2.5	2 - 4 * / **	10 - 20**
Bulk weight, dry (kg/m ³) ± approx. 15 %	315	280	245
Bulk weight, dry (kg/m ³) ± approx. 15 %	540	480	400
Granule shape	round/cracked	round/cracked	round/cracked
Granule colour	brown/grey	brown/grey	brown/grey
Granule strength (N/mm ²) approx.	NPD	0.9	0.75
Compressive strain at 10 % compression	NPD	0.38 N/mm ²	0.20 N/mm ²
Thermal conductivity (prEN 14063-1) λ _R W/m	0.095	0.085	0.075
Thermal conductivity decl.	0.095	0.095	0.095
Residual humidity on delivery	< 1.5 wt. %	< 1.5 wt. %	< 1.5 wt. %
Building material class according to DIN 4102	A1	A1	A1



* tested by:

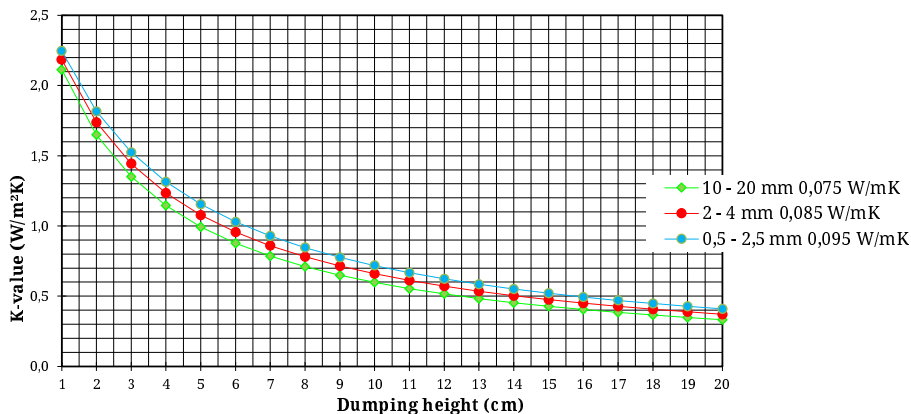
iff-Institut, Koblenz



**Monitored and tested by:

Dansk Teknologisk Institut

Heat throughput (no soil contact)



Last updated: August 2021