

THERMOZELL

**pro**

PRODUCT DATA SHEET

Top quality & approval  
100% EPS recycle  
Perfect insulating properties  
Robust, resilient & resistant

The optimal starting material for the professional and the construction site. Tested and approved by building authorities since 1995.

Pretreated recycled EPS\* granulate with general building authority approval/design approval (Z-23.11-266) for your project.

[www.thermozell.com](http://www.thermozell.com)



**Application 3 in 1**



**Level compensation**

Installations, beam ceiling, vault, slope, etc



**Foundation**

Screeds, tiling, underfloor heating, etc



**Backfill**

Wall, ceiling, pool, etc

**Ready for covering**

– approx. 10 days (depending on <12 % CM measurement/construction climate)

**Construction height**

– at least 3 cm

**Yield**

– 1 bag yields approx. 200 liters of readymixed lightweight concrete

**Processing time and temperature**

– at least 25 minutes at 20° C  
– not under 5° C

**Suitable mixing equipment**

– Screed pump  
– Mixing truck

**Refined Granule**

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## Processing

**Thermozell pro 600**

Thermozell 200 Liter + 3 bags of cement (25 kg) + 28 – 33 liters of water

**Thermozell pro 250**

Thermozell 200 Liter + 1.5 bags of cement (25 kg) + 15 – 18 liters of water

**Thermozell pro 400**

Thermozell 200 Liter + 2 bags of cement (25 kg) + 20 – 25 liters of water

**Thermozell pro 160**

Thermozell 200 Liter + 1 bag of cement (25 kg) + 12 – 13 liters of water

The mixing process with the addition of cement and water takes place at the construction site. Different amounts of cement are added to produce the product types pro 600, 400, 250 and 160 with the respective properties.

## Processing

- 1 Design value of thermal conductivity W/mK
- 2 Bulk density of dry mixture kg/m<sup>3</sup>
- 3 Bulk density of the fresh concrete mortar kg/m<sup>3</sup>
- 4 Dry bulk density of the bound EPS kg/m<sup>3</sup>
- 5 Compressive strength kPA
- 6 Water vapor diffusion resistance  $\mu$
- 7 Fire behavior
- 8 Binder content per m<sup>3</sup>

	Thermozell pro 600	Thermozell pro 400	Thermozell pro 250	Thermozell pro 160
1	≤ 0.180	≤ 0.120	≤ 0.090	≤ 0.066
2	400 +/- 5 %	275 +/- 5 %	210 +/- 5 %	150 +/- 5 %
3	615 – 700	395 – 445	325 – 375	150 – 200
4	500 +/- 10 %	350 +/- 10 %	250 +/- 10 %	165 +/- 15 %
5	≥ 1.200	≥ 500	≥ 200	≥ 70
6	14	7	7	5
7	A2	A2	E	E
8	375 kg	250 kg	187,5 kg	125 kg

## Storage

- The bag must be stored in a dry place
- Maximum storage time: 1 year

## Packaging units

- 1 bag = 200 liters
- 1 pallet = 12 bags (2.4 m<sup>3</sup>)

## Other instructions

- No compaction necessary
- During planning and installation, the standards and guidelines of the respective country must be observed

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