

THERMOZELL

# pro speed

PRODUCT DATA SHEET

The optimal starting material for the professional and the construction site.  
Certified and approved since 1995.

Pretreated recycled EPS\* granulate for your project.

## Approval:

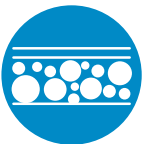
- ETA-24/1176
- ETA-24/1178
- ETA-24/1179

## Application 3 in 1



### Level compensation

Installations, vaulted and timber beam ceilings, slopes, etc



### Foundation

Screeds, tiling, underfloor heating, terrace, etc



### Backfill

Wall, ceiling, pool, etc

Ready for covering  
in 24 hours  
Simplest Processing  
100% EPS recyclate  
Perfect  
insulating properties  
Robust, resilient &  
resistant



## Fast readiness for covering

- approx. 24 hours  
(at 20° C and 65 % relative humidity)

## Construction height

- at least 3 cm

## Yield

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

## Processing time and temperature

- at least 15 minutes at 20° C
- not under 5° C

## Suitable mixing equipment

- Screed pump
- Mixing truck

Refined High Performance Granule

## Processing

### Thermozell pro 160 speed



Thermozell  
200 liters

+



1 bag of cement  
(25 kg)

+



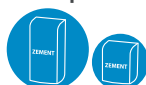
12 – 13 liters  
of water

### Thermozell pro 250 speed



Thermozell  
200 liters

+



1.5 bags of cement  
(25 kg)

+



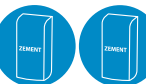
15 – 18 liters  
of water

### Thermozell pro 400 speed



Thermozell  
200 liters

+



2 bags of cement  
(25 kg)

+



20 – 25 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 400, 250 and 160 speed with the respective properties.

## Storage

- The bags must be protected from UV radiation and heat and 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

## Technische Daten

	Type 160	Type 250	Type 400
Declared value of thermal conductivity $\lambda_D$ [W/(mK)]	0.059	0.079	0.104
Design value of thermal conductivity $\lambda_B$ [W/(mK)]	0.069	0.097	0.113
Bulk density of fresh mortar [kg /m <sup>3</sup> ]	approx. 230	approx. 320	approx. 420
Dry bulk density of bound EPS [kg /m <sup>3</sup> ]	approx. 210	approx. 306	approx. 390
Compressive strength [kPa]	120	200	360
Water vapor diffusion resistance factor [ $\mu$ ]	6	9	17
Fire behavior	E	E	A2-s1, d0 (thickness $\geq$ 40 mm)
Binder content [kg /m <sup>3</sup> ]	125.00	187.50	250.00

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

## Refined High Performance Granule