

THERMOZELL

## pro

PRODUCT DATA SHEET

Top quality  
& approval  
100% EPS recylate  
Ideal for screed pumps  
& mixing trucks  
Robust, resilient &  
resistant

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

#### Fast readiness for covering

- after approx. 10 days  
(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 25 minutes at 20° C
- not under 5° C

#### Suitable mixing equipment

- screed pump
- mixing trucks

Refined Granule

Refined Granule

Refined 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)

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