

# Road Construction

## Sundolitt expanded polystyrene blocks provide an ideal and cost-effective basis for road construction



Sundolitt EPS blocks impose much lower load pressures on the subsoil and any underlying services, than traditional embankments, yet have exceptional strength and load-bearing capacity.

EPS blocks weigh around 1% of the weight of traditional fill materials

• [view larger image](#)

### Advantages of using Sundolitt EPS blocks:

- Reduced pressure on subsoil and any underlying services
- EPS blocks weigh around 1% of the weight of traditional fill materials
- Robust, yet lightweight and easy-to-position without heavy lifting equipment
- Economical & practical alternative to piled construction
- Established long-term strength and performance
- High load-bearing capacity
- EPS blocks do not require to be compacted and do not lose any volume to compaction (as some other lightweight fill materials do)
- Easy-to-cut on site, no special equipment required
- No protective clothing or masks required
- Rot-proof and extremely durable in wet conditions
- Do not absorb or retain water
- Environmentally friendly - CFC & HCFC free
- Do not support fungal, bacteriological or animal growth
- Non-toxic and inert
- Very cost-effective

[Literature Download : Sundolitt EPS Construction Products](#)

[NPR Report - Long Term Performance and Durability of EPS as a Lightweight Fill](#)

[Block Installation Guide](#)

Available in a wide variety of block sizes, densities and design loads

# Sundolitt EPS Blocks - Specification Sheet

Sundolitt blocks for embankment building, landscaping and void-fill

## Technical & Dimensions

Density* kg / m <sup>3</sup>	Compressive Stress* at 1% Deformation kPa	Design Load* kg / m <sup>2</sup>	Block Dimensions* Length x Width x Depth mm	Block Volume* m <sup>3</sup>	Block Weight* kgs
<b>15.0</b>	20	7,000	2400 x 1200 x 1000	2.880	43.20
<b>20.0</b>	40	10,000	2400 x 1200 x 1000	2.880	57.60
<b>25.0</b>	70	15,000	2400 x 1200 x 1000	2.880	72.00
<b>30.0</b>	90	20,000	2400 x 1200 x 1000	2.880	86.40

\*all values are nominal

- All structural blocks are manufactured in compliance with BSEN 14933 (which came into effect on 1st January 2009)
- An EPS product manufactured in compliance with BSEN 14933, if subjected to a permanent compressive stress of 30% of its nominal Design Load, should deform by 2% or less after 50 years
- Euroclass type f supplied as standard - Euroclass type e self-extinguishing available to order
- Untrimmed blocks 2457 x 1225 x 1030mm (3.10m<sup>3</sup>) available
- Other block dimensions and densities available on request