

AUSTROTHERM geoBLOCK®

Expanded Polystyrene (EPS) Block



Highway and Bridge Applications

- ▶ Very low water absorption capacity.
- ▶ Dimensionally stable.
- ▶ Non-biodegradable.
- ▶ High strength /density ratio.

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Product Brochure - Highway and Bridge Applications



Description

Austrotherm geoBLOCK® is an expanded polystyrene (EPS) block, which is formed by pre-expansion and molding process of granular polystyrene beads. **Austrotherm geoBLOCK®** is a lightweight geosynthetic material used in geotechnical engineering applications.

Application Areas;

In highways and civil engineering applications;

- ▶ Highway embankments and bridge approach ramps,
- ▶ Highway widening embankments,
- ▶ Retaining structure backfills,
- ▶ Tunnel portal backfills.

Technical Specifications

- ▶ White color
- ▶ 20kg/m³, 30kg/m³ and any densities in between
- ▶ Compressive strength:
in %10 change
CS(10) 120/20
CS(10) 150/24
CS(10) 200/30
- ▶ Water Absorption Rate (by total immersion)
WL(T) 5 for all densities
- ▶ Fire Behaviour: E
- ▶ Dimensions:
500 mm x 1200 mm x 2500 mm
600 mm x 1000 mm x 2500 mm
Custom dimensions can be prepared based on block placement plans.
- ▶ Bending Strength:
For 20kg/m³, BS 125 kPa,
For 24kg/m³, BS 150 kPa,
For 30kg/m³, BS 200 kPa
- ▶ Application Temperature - 50 C° to +70 C°

Quality Documents



Complies with TS EN 14933.

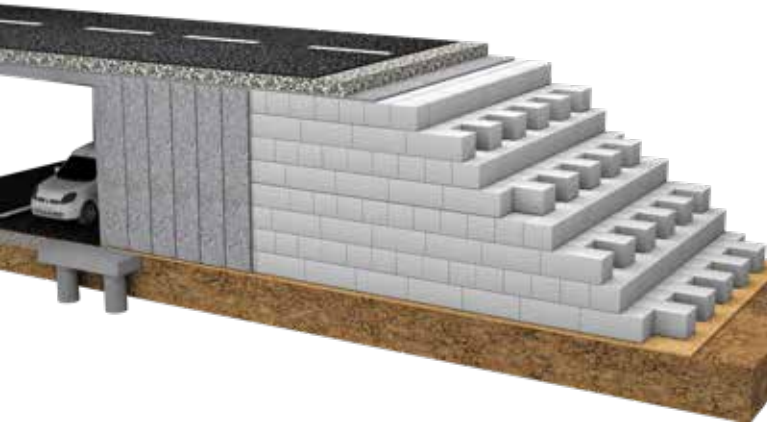
Warning

Avoid contact with solvents.

For site-specific technical support and specification needs for your project, you can contact our “Austrotherm geoBLOCK® Civil Engineering Applications” department.

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