

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:
For 20kg/m³, CS(1) ≥ 40 kPa,
For 30kg/m³, CS(1) ≥ 75 kPa
- ▶ Water Absorption Rate WL(T) 2 ≤ %2
- ▶ Dimensions: 1000x1250x5000 mm.
Custom dimensions can be prepared based on block placement plans.
- ▶ Bending Strength
For 20kg/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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