

# **AUSTROTHERM geoBLOCK®**

## **Expanded Polystyrene (EPS) Block**



Highway and Bridge Applications

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

# AUSTROTHERM geoBLOCK®

## Product Brochure - Highway and Bridge Applications



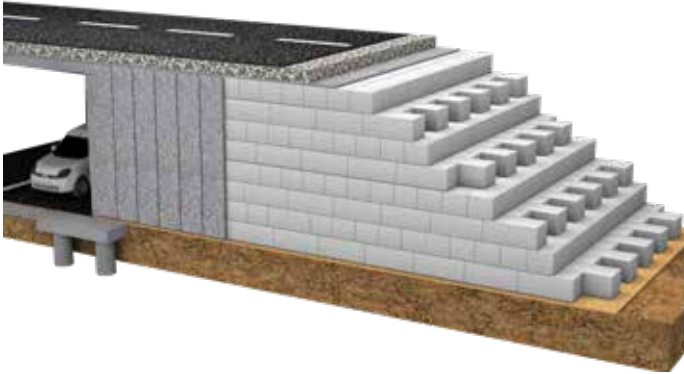
### Description

**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/m<sup>3</sup>, 30kg/m<sup>3</sup> and any densities in between
- ▶ Compressive strength:  
For 20kg/m<sup>3</sup>, CS(1) ≥ 40 kPa,  
For 30kg/m<sup>3</sup>, 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/m<sup>3</sup>, BS ≥ 150 kPa,  
For 30kg/m<sup>3</sup>, 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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