Case Histories
with
EPS Geofoam Fills from Eastern Norway

Tseday Damtew, Norwegian Public Roads Administration
Jan Vaslestad, Norwegian Public Roads Administration
Geir Refsdal, Norwegian Public Roads Administration
1. E6 Vinterbro – Klemetsrud
plan drawing for the solution with EPS geofoam embankment
1. E6 Vinterbro – Klemetsrud

cross-section of the embankment
1. **E6 Vinterbro – Klemetsrud**

Profile drawing of the embankment
1. E6 Vinterbro – Klemetsrud

Construction- Site Preparation
1. E6 Vinterbro – Klemetsrud
Construction- Site Preparation – levelling layer
1. E6 Vinterbro – Klemetsrud

Construction - Site Preparation
1. E6 Vinterbro – Klemetsrud
Construction- laying EPS geofoam blocks
1. E6 Vinterbro – Klemetsrud

Construction- laying EPS geofoam blocks
1. **E6 Vinterbro – Klemetsrud**

Construction- laying EPS geofoam blocks
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Construction- laying EPS geofoam blocks
1. E6 Vinterbro – Klemetsrud
Construction - Protection from frost & snow
1. E6 Vinterbro – Klemetsrud
Construction - Plastic membrane over EPS embankment
1. E6 Vinterbro – Klemetsrud

Construction - Plastic membrane, geotextile and residue from crushed rock over the EPS embankment
1. E6 Vinterbro – Klemetsrud

Construction- Casting concrete slab over EPS embankment
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Construction- Casting concrete slab over EPS embankment
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Construction - Concrete slab over EPS embankment
1. **E6 Vinterbro – Klemetsrud**

**Construction- sub-base placed above the EPS**

![Construction site with sub-base material placed above the EPS](image-url)
1. E6 Vinterbro – Klemetsrud
Construction- Finished sub-base above the EPS
1. **E6 Vinterbro – Klemetsrud**

Construction - Finished road with asphalt surfacing
1. E6 Vinterbro – Klemetsrud
Construction- vegetation established after 2 months
1. E6 Vinterbro – Klemetsrud
Construction- Finished road before opening it for traffic
2. E18 Tenor Culvert and Almark Bru

Plan, profile and cross-section drawings
2. **E18 Tenor Culvert and Almark Bru**

EPS geofoam blocks placed - fill against abutment and culvert side
2. **E18 Tenor Culvert and Almark Bru**

EPS geofoam blocks placed - fill against abutment and culvert side
2. E18 Tenor Culvert and Almark Bru

A county road crossing the E18 over the culvert
2. E18 Tenor Culvert and Almark Bru

EPS geofoam embankment as a side fill to Tenor culvert
2. **E18 Tenor Culvert and Almark Bru**

EPS geofoam embankment at the abutment of the Almark Bridge
2. **E18 Tenor Culvert and Almark Bru**

The EPS embankment at the Almark Bridge covered by sand
2. **E18 Tenor Culvert and Almark Bru**

Almark Bridge and Tenor culvert at the end of construction
2. E18 Tenor Culvert and Almark Bru

Google image of Almark bridge and Tenor culvert
3. Grimsøyveien - Temporary Bridge

Embankment with EPS geofoam – left and right side abutments
3. **Grimsøyveien - Temporary Bridge**

Embankment with EPS geofoam – left and right side abutments
3. Grimsøyveien - Temporary Bridge

Embankments with EPS geofoam – before installation of bridge
3. Grimsøyveien - Temporary Bridge

Embankment with EPS geofoam – after installation of Bridge
3. Grimsøyveien - Temporary Bridge

Embankment with EPS geofoam – Temporary road on the bridge
3. **Grimsøyveien - Temporary Bridge**

EPS geofoam – covered with reinforcement mesh & shotcrete
Thank You for your Attention 😊