



ZENIT

INSULATION

Foundation

Exterior

Wall

AIRTIGHTNESS ENERGY USE





Foundation

Exterior

Wall

AIRTIGHTNESS ENERGY USE



Benefits

- Faster setup & pour
- Begin framing the next day
- R-value=68
- Built-in radon & gas barrier
- Lower labor cost

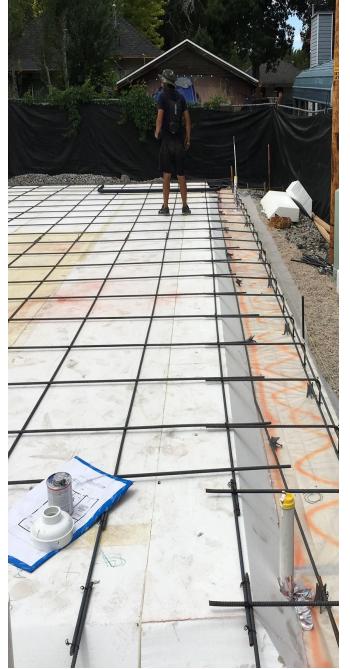


Foundation

Exterior

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Performance Analysis





Labor cost

Timetable

Interest cost



Foundation

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Premium Sheeting w/foam 平州了



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Benefits

- Air & water barrier
- Thermal break
- Insulation

Worries

- No shear strength (with foam)
- Long-term performance
- Nails in the field
- Premium cost



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Performance Analysis

Effectiveness (air barrier)

X Materials cost

X Labor cost

X Timetable

X Attaching cladding



Foundation

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Exterior Insulation Recommendation

OSB Sheeting

+

Kingspan GreenGuard HPW

+

EPS Geo Rigid Foam

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2x6 Advanced Framing





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Benefits

- Improved insulation capacity
- 15-17% less lumber
- 30% faster
- Stacked framing from truss to foundation





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Performance Analysis



Cost

Timetable

Growing Pains

- Framing education
- Sub-contractor training
- Continuous monitoring





AIRTIGHTNESS

Spray Foam

AeroBarrier

ENERGY USE







AIRTIGHTNESS

Spray Foam

AeroBarrier

ENERGY USE



Benefits

- Air barrier
- Some insulation value

Worries

- Rigid & prone to crack
- Unhealthy
- Off-gassing
- Expensive
- Installation error





AIRTIGHTNESS

Spray Foam

AeroBarrier

ENERGY USE



Performance Analysis

Long-term durability & effectiveness

X Materials cost

X Labor cost

X Timetable





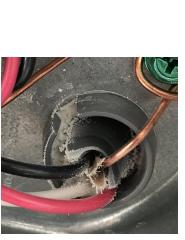
AIRTIGHTNESS

Spray Foam

AeroBarrier

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AIRTIGHTNESS

Spray Foam

AeroBarrier

ENERGY USE



Benefits

- Air barrier
- 100% guaranteed
- Short install time
- Non-toxic
- Flexible seal
- Whole-building solution



AIRTIGHTNESS

Spray Foam

AeroBarrier

ENERGY USE



Performance Analysis

- Effectiveness
- ✓ Cost
- Timetable
- 50 year lifespan





AIRTIGHTNESS

ENERGY USE

ERV





AIRTIGHTNESS

ENERGY USE

ERV



Benefits

- Mechanical ventilation
- Energy exchanger
- Beefy, 10-year filters
- Lower utility bills
- Humidity control
- Compatible with standard HVAC setups





AIRTIGHTNESS

ENERGY USE

ERV



Performance Analysis







