



POLYISO VS. MINERAL WOOL MANUFACTURING

Environmental Impact

With more focus on sustainable solutions, you've got to know how the production of materials affects the environment.

1 RAW MATERIAL ACQUISITION

POLYISO



Chemical liquids gathered and refined from crude oil

Slag and/or rock procured through mining



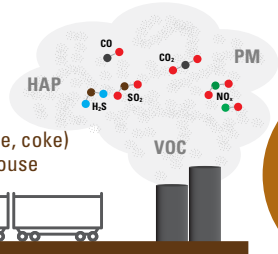
MINERAL WOOL

2 PRODUCTION

"A" side + "B" side, MDI, Polyester polyol + catalysts, surfactants and flame retardant



Raw materials (basalt, dolomite, coke) transferred to open-air warehouse



Mineral wool has a GWP that's **3.5x** higher than polyiso

MAKING POLYISO

- 1 Chemicals pumped
- 2 Injected between facers
- 3 Foam board formed
- 4 Heated and hardened
- 5 Trimmed and cut

MAKING MINERAL WOOL

- 1 Raw materials melted
- 2 Fiber collected and formed
- 3 Heated in blowchamber
- 4 Cooled
- 5 Cured
- 6 Treated
- 7 Bagged

Mineral wool requires **85%** more energy to produce

3 TRANSPORTATION

28 polyiso plants in the U.S. and Canada

3 mineral wool plants in the U.S. and Canada



4 INSTALLATION

Mineral wool requires **2x** as many boards vs polyiso

Mineral wool is **4.5x** heavier than polyiso



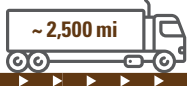
SOURCES

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Polyiso can be recycled and reused on reroofing applications. Mineral Wool cannot.



Our polyiso insulation offering includes:

- ISO 95+™ GL Insulation
- Tapered ISO 95+ Polyiso Insulation
- RESISTA Polyiso Insulation

Learn more at FBPE.CO/POLYISO