Take energy savings to the next level with Premium siding insulation made of Neopor®!

Our Premium Series siding insulation products are made with patented Neopor beads manufactured by BASF, the world's largest chemical company. Neopor gives our Premium Series products their super-efficiency and dark gray color.

The crucial difference in Neopor is that BASF integrates high-purity graphite particles within the bead cell structure. The graphite reflects radiant heat and significantly improves insulation capability, providing up to 20% greater r-value than traditional white EPS of the same thickness.

The compelling advantages of Neopor:
Higher insulation r-values than traditional EPS with the same amount of material

How traditional EPS insulation works

Warm air always moves towards cold air. Insulation does not completely stop this movement of warmth, it simply slows it down. The more insulation can slow down this transfer, the more energy efficient it is and the higher r-value it has.

Any rigid foam, closed-cell insulation works because it creates small air pockets within each bead when formed. Air trapped in these pockets is a poor conductor of heat, and therefore slows down its transfer towards cooler air.

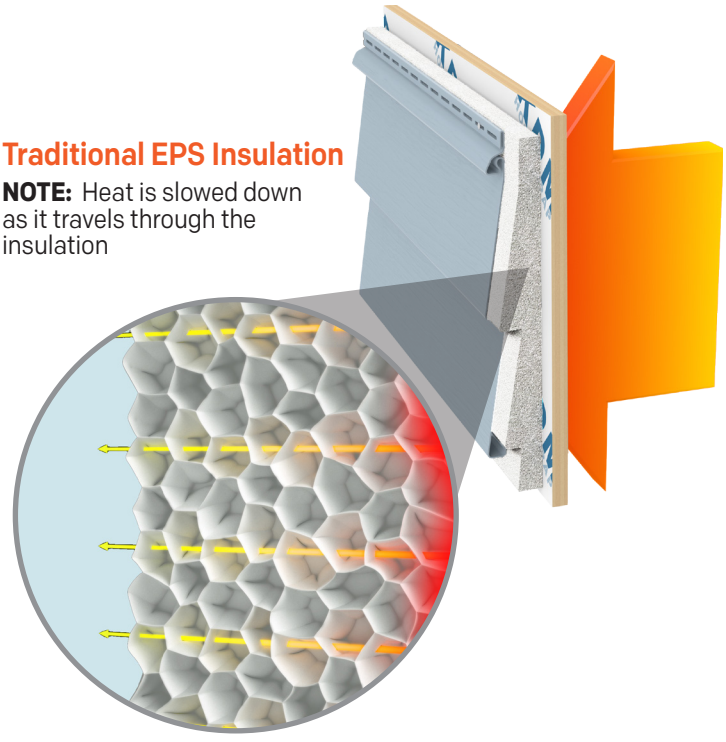
"R-value is the recognized numerical measure of the ability of an insulation product to restrict the flow of heat, and, therefore, to reduce energy costs."

How Neopor® insulation is different

Neopor works in the very same way as traditional insulation, with one major difference -- high-purity graphite particles infused into the cell structure give Neopor a reflective property and a distinctive dark gray color.

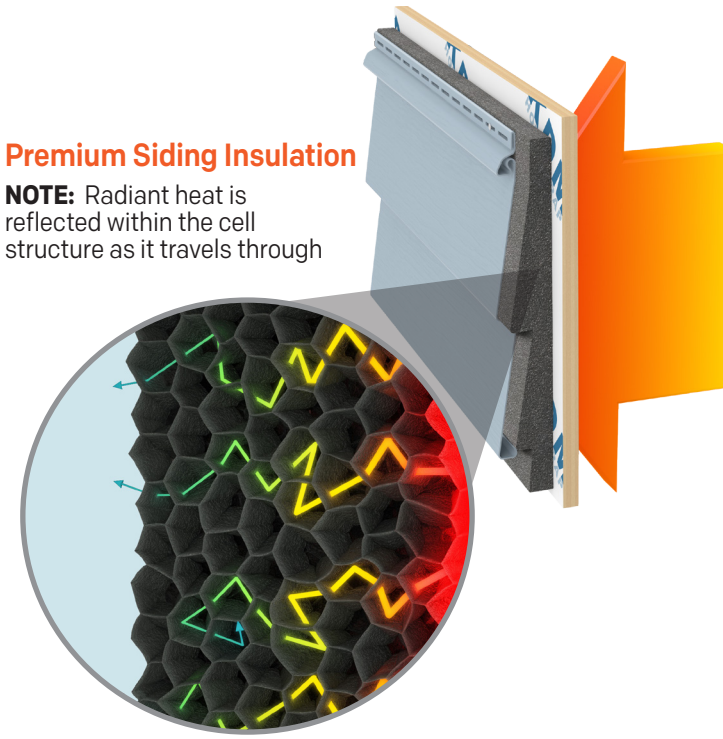
As radiant heat moves through Neopor insulation, it reflects it hundreds of times, significantly slowing down the transfer of heat and making it more energy efficient!

Think of the heat transfer as a person walking on a path from point A to point B. Walking in a straight line (like traditional insulation) would be much faster than if the path took many twists and turns along the way (like Neopor).



Traditional EPS Insulation

NOTE: Heat is slowed down as it travels through the insulation



Premium Siding Insulation

NOTE: Radiant heat is reflected within the cell structure as it travels through

PFT PROGRESSIVEFOAM

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