



A Better Way to Build

RASTRA is the ultimate building solution for economical and environmentally-friendly construction. RASTRA is the solution for this century to build environmentally conscious, energy efficient buildings that provide a safe and healthy living environment. **Over 9 million units in service worldwide.**

Problem Solver for Builders

With rising energy costs and unprecedented focus on green building, homebuilders are faced with mounting pressure to build energy-efficient, tighter, yet healthy homes.

Homes that are built too tight trap moisture that can lead to mold, mildew, and other biological growth. This can in turn lead to health problems ranging from allergic reactions to asthma attacks.

In addition to serious health problems, water intrusion into wall cavities can lead to wood rot, structural damage and poor thermal performance.

The majority of these problems originate in the building shell which represents 90% of the construction materials used to build a new home and contains the majority of toxins. Most occur in the wall cavity where moisture penetrates the building shell and becomes trapped.

To combat these problems builders are more determined than ever to control water intrusion and humidity. Unfortunately, the introduction of so many new products and theories on moisture control has only made this more difficult for builders. Home designs have also become more dimensional and complex. Methods that may work in one climate may be completely wrong for another or even one season to the next.

Questions builders typically need to address:

1. Which type of vapor barrier should I use?
2. Should I use vapor barrier at all?
3. Should it be installed inside or outside of the wall?
4. How tight is too tight?
5. Is my flashing installed properly?
6. What type of insulation do I use?
7. Is my insulation installed properly?
8. Should I use lumber that has been wet?
9. Should I use fungicides to prevent mold?
10. Do my building materials contain harmful chemicals?
11. Does this solution work all year around?

RASTRA eliminates the guesswork from the building shell.

- The need for vapor barriers and insulation is eliminated.
- No more concerns about whether or not the insulation contractor installed the insulation properly or if the home is properly sealed.
- Wall cavities where mold commonly grows are eliminated.
- Wood that rots, attracts insects and contains toxins is removed from the home.
- Air leaks are eliminated.
- Keeping lumber dry is no longer a concern.
- The 25% of the wall surface made up of wood framing members and wall intersections that have no insulation are all eliminated.
- Exacting construction details of corners, intersections and bracing are dramatically simplified.



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