

# Energy Efficiency



Guideline: Incorporate air sealing package to reduce infiltration

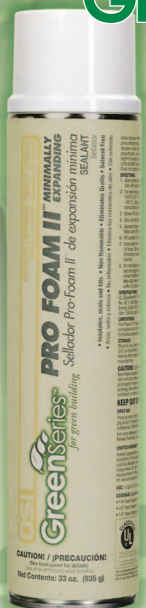


# Global Impact



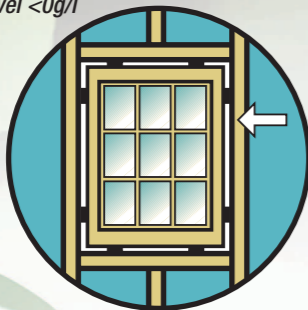
Guideline: Use low VOC sealants and adhesives. VOC concentrations for construction adhesives and sealants should meet the limits specified in the California Air Resources Board Regulations for Reducing Volatile Organic Compound Emissions from consumer products.

Construction adhesives: the greater of 15% by weight or 200 grams/liter

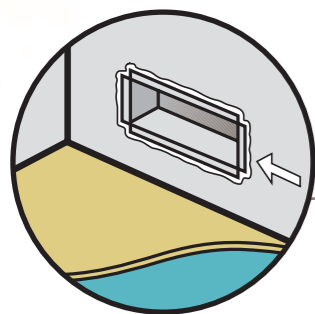


## Pro-Foam II® Minimally Expanding Sealant

- Fills, seals and insulates
- Quick setting formula
- VOC level <0g/l



Insulate, caulk or foam between window/door jambs and framing



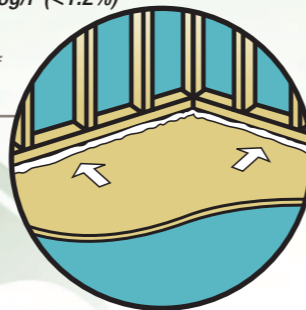
Caulk/foam HVAC register boots to subfloor or drywall



## Draft & Acoustical Sound Sealant

- Permanently flexible
- Non-flammable
- Easy water clean-up
- VOC level <36g/l (<1.2%)

Caulk bottom of exterior walls



## Flameseal® Fire, Smoke & Draft Stop Sealant

- 1, 2 & 3 hour fire resistance rated
- Seals out smoke, fumes and fire
- UL approved
- VOC level <54g/l



Caulk/foam all electrical, plumbing and heating penetrations between floors and to exterior

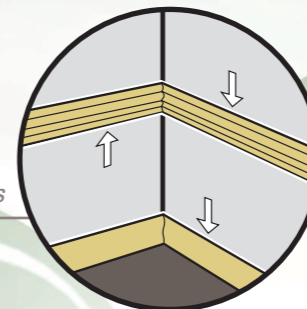


## Acrylic Urethane Indoor/Outdoor Sealant

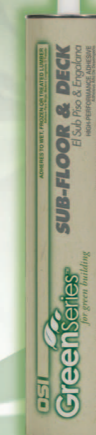
- Permanently flexible
- Non-flammable
- Easy water clean-up
- VOC level <5g/l (<1%)



Seal wood finishes next to wall applications



Seal doorways and windows inside and outside at seams

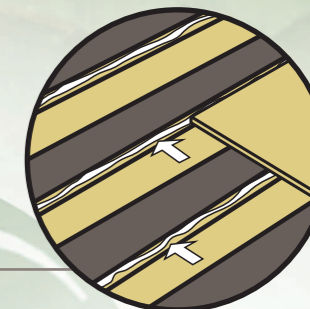


## High Performance Subfloor & Deck Adhesive

- Non-flammable, solvent free
- Water & weather resistant
- VOC level <2g/l



Create better bond strength with adhesive

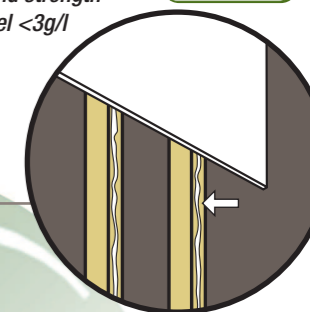


## Drywall & Panel Construction Adhesive

- Non-flammable
- Fast set, fast cure
- High bond strength
- VOC level <3g/l



Use less fasteners securing drywall to studs



What to look for when building green...



You can count on Henkel to help you meet your green adhesive and sealant needs. Look for our GreenSeries™ logo to identify our line of environmentally preferable adhesives and sealants. You can rest assured that products carrying this symbol meet the highest standards for performance, air quality and VOC emissions.



What is Green Building?

Much national publicity has surrounded commercial building due to the US Green Building Council's LEED (Leadership in Energy and Environmental Design) rating system for commercial buildings. Because of this publicity, green building techniques and materials have captured the attention of residential homebuilders and homeowners alike.

The National Association of Home Builders (NAHB) has divided the green construction process into eight categories. Out of the eight, you will see the products we supply which deal with two of these categories;

- 1 Lot Design, Preparation and Development
- 2 Resource Efficiency
- 3 **Energy Efficiency**
- 4 Water Efficiency
- 5 Indoor Environmental Quality
- 6 Operation, Maintenance and Homeowner Education
- 7 Global Impact
- 8 Site Planning and Land Development



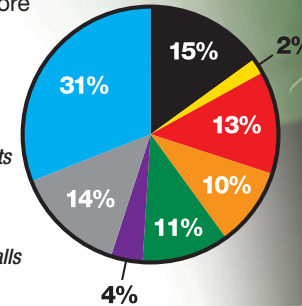
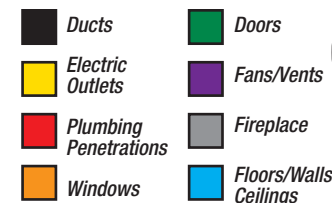
# Caulks, Sealants and Adhesives for the Green Building Process

## Green Leader

Working to make the world we live in a better, more energy efficient place. Our goal is clearly to be the leading supplier of green building products today and in the future. Count on Henkel for the best green building products time and time again.

## How Does Air Escape?

Just as leaky faucets waste water, gaps & cracks along walls, ceilings and floors can account for up to 31% or more in energy leaks.



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For more information visit our web site at:  
[www.greenseries.com](http://www.greenseries.com)

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