



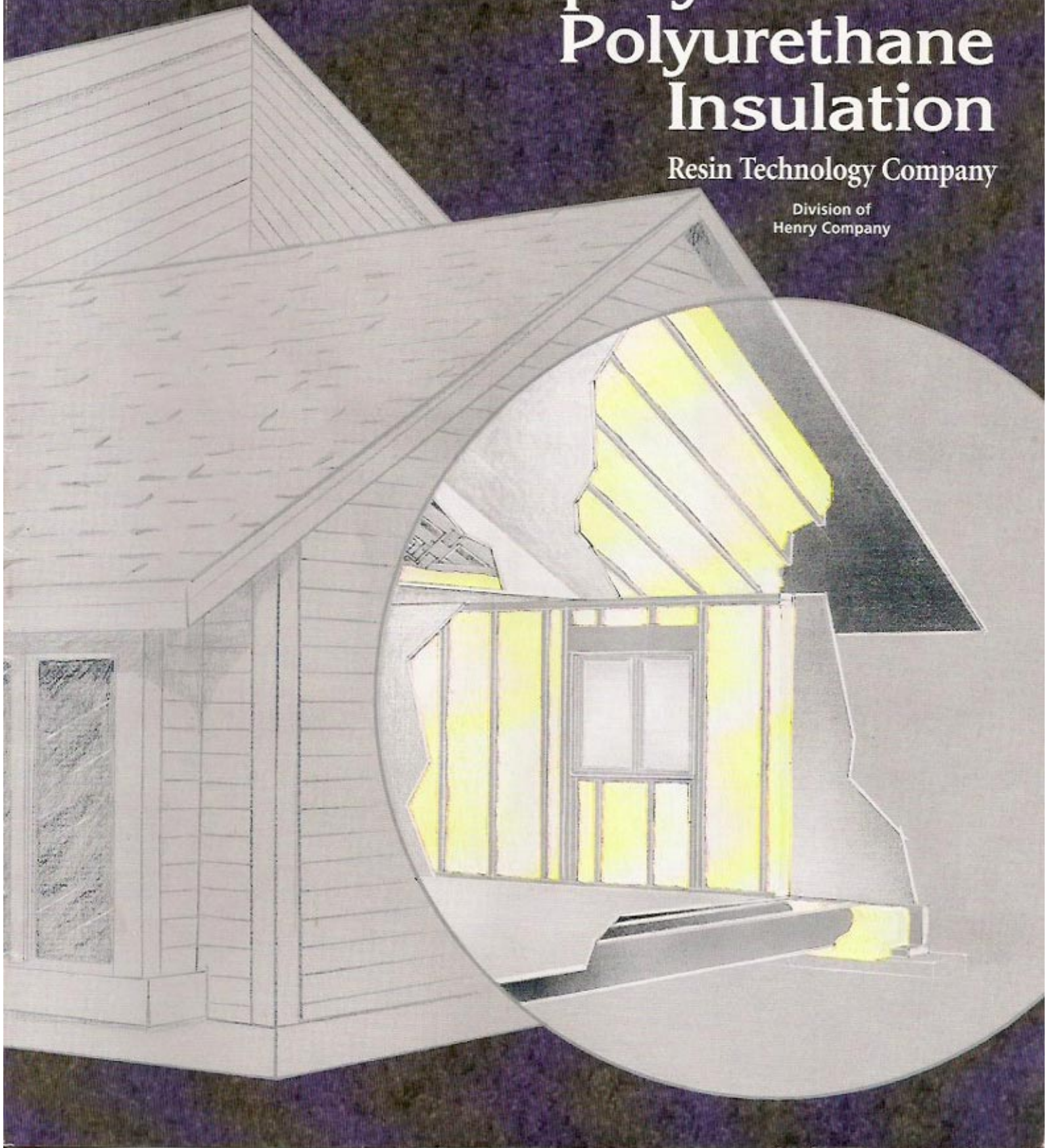
ENERGY STAR  
PARTNER

# PERMAX<sup>®</sup>

## Spray In Place Polyurethane Insulation

Resin Technology Company

Division of  
Henry Company





# SIMPLY ONE OF THE MOST EFFECTIVE INSULATIONS AVAILABLE

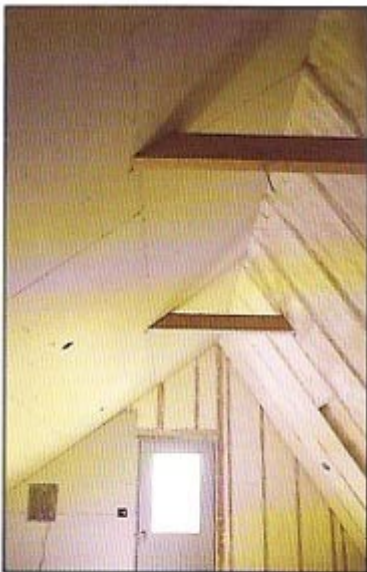
To put it quite simply, the purpose of insulation in a home or building is to restrict the flow of heat from inside to outside. When a comfortable temperature is reached inside, it is the ability to maintain a comfortable temperature that illustrates the effectiveness of an insulation system.

PERMAX® Polyurethane Insulation offers one of the most effective ways to maintain a comfortable temperature inside your home. Today's home buyer demands energy efficient construction and design in the homes they buy. PERMAX® Polyurethane Insulation meets the requirements of Chapter 26, of the Uniform Building Code.

This unique insulating material was developed over 40 years ago and is now used to insulate everything from water heaters to refrigerators, any place where true insulation performance is important.

## Why is PERMAX® Polyurethane Insulation So Effective?

- Reduces air infiltration.
- Saves on overall construction costs.
- Insulates totally, as insulation should.
- Reduces drafts by slowing air movement within stud cavity.
- Helps control moisture condensation.
- Insulates open beam ceilings without venting.
- Will not shrink or settle.
- Meets Building Code Requirements
- Adds structural strength
- Uses environmentally friendly Enovate® 3000 Blowing Agent (HFC 245fa).



After the insulation is sprayed in place, the foam must be protected by an approved 15 minute thermal barrier.



## PERMAX® Polyurethane insulation can control extra energy loss due to air infiltration.

PERMAX® Polyurethane insulation forms a seamless insulating barrier which minimizes air infiltration, a major source of heat loss. Polyurethane insulation can seal and fill the cracks and seams you could never reach with a caulk gun or weather stripping. Other types of insulation material fail to stop this loss through cracks between the studs and the insulating material.

### THE HEALTHY ENVIRONMENT

When PERMAX® INSULATION is installed, dramatic reduction of air and moisture transmission through the wall and ceiling cavities are the result.

At thicknesses above 2.5 inches it may not be a requirement to install an air barrier.

Alleviating air and moisture movement within these cavities prevents harmful mold or mildew to form and grow, resulting in a healthier living space.

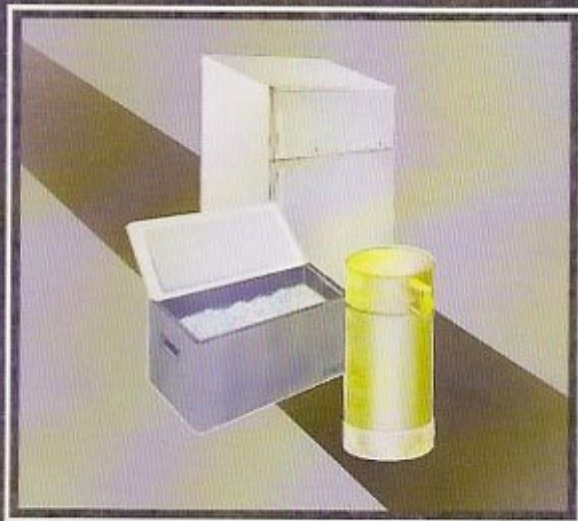
### PERMAX® POLYURETHANE INSULATION

Product No.	Density	R Value*	Air Barrier
RT-2045-1.8	1.8 lbs/ft <sup>2</sup>	6.46	YES <sup>1</sup>
RT-2045-1.9	1.9 lbs/ft <sup>2</sup>	6.46	YES <sup>1</sup>
RT-2045-2.0	2.0 lbs/ft <sup>2</sup>	6.46	YES <sup>1</sup>
RT-3045-2.0 <sup>2</sup>	2.0 lbs/ft <sup>2</sup>	6.86	YES <sup>1</sup>

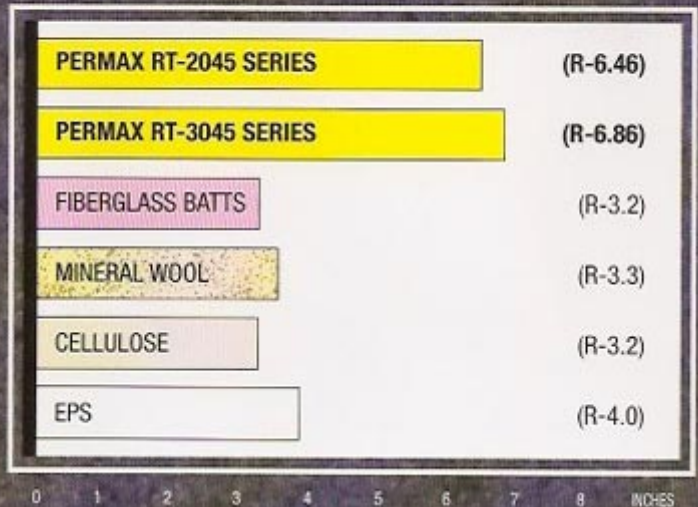
\* Initial R-Values

<sup>1</sup> Tests indicate air barrier may not be required if applied in thickness over 2.5-inches (check with local building officials).

<sup>2</sup> RT-3045-2.0 a special cold weather material requires special container handling.



### Comparison of R values (per inch)



Polyurethane is widely used today because it has one of the highest R values for any given thickness among commercially available building insulation. R means the resistance to heat flow. The higher the R value, the greater the insulating power!

Savings vary. Find out why in the seller's fact sheet on R values. Higher R values mean greater insulating power.

## PERMAX® Polyurethane insulation performs like no other insulating material.

- PERMAX® Polyurethane insulation contains no formaldehyde.
- PERMAX® Polyurethane insulation insulates so effectively, it reduces the drafts caused by air movement within the stud cavity. The temperature difference from outside to inside walls in a poorly insulated wall can cause warm air to rise and cold air to sink creating a draft flowing up and down the walls. This can make the whole room feel drafty. By effectively insulating the wall, air movement within the wall cavity is stopped.
- PERMAX® Polyurethane insulation can help control condensation. In cold climates, condensation within the wall can be a serious problem leading to loss of insulation and rotting of framing members. Moisture and condensation have virtually no effect on PERMAX® Polyurethane insulation's properties.
- PERMAX® RT-2045 and RT-3045 Polyurethane insulation can insulate open beam ceilings without venting. The ceiling is among the most important areas of the home to be insulated properly and open beam ceilings offer special challenges. With PERMAX® RT-2045 and RT-3045 Polyurethane insulation, you won't have to use extra wide ceiling joists to obtain R values.
- PERMAX® Polyurethane insulation will not shrink or settle. Insulations that have a tendency to shrink or settle in the wall cavity can lose their effectiveness. Properly applied PERMAX® Polyurethane insulation is stable and will not shrink or settle within the wall cavity.





**ENERGY STAR  
PARTNER**

*As an Energy Star Insulation  
Products Partner, Resin  
Technology Co. has determined  
that this product meets the  
Energy Star Guidelines for  
energy efficiency.*

**RTC**

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Henry Company

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PERMAX® Sprayed-in-Place polyurethane insulation can be used in commercial, industrial and agricultural applications too.  
For more information contact your dealer.

Enovate® 3000 is a trade name of Honeywell Chemicals, Morristown, NJ 07962