

Silence Isn't Golden Any Longer... It's Red, Thermo-ply® Red that is.

In a world where everything around us is getting closer and louder, isn't it nice to know that someone is making products that offer solutions to real problems?

Everyone can appreciate the advantages of living in a less noisy environment but the sound dampening properties of Thermo-ply Red are especially suited for:

- Hotels and motels
- Schools
- Libraries
- Home theater rooms
- Hospitals
- Nursing Homes
- Single and multi-family residences
- Nurseries



There's more to Thermo-ply than just superior sound damping qualities...

- Thermo-ply Red is structural
- Does not soak up water like OSB
- Tighter sealing reduces air infiltration
- Light-weight at only 13lbs per sheet
- Cuts easily and quickly
- Private label available

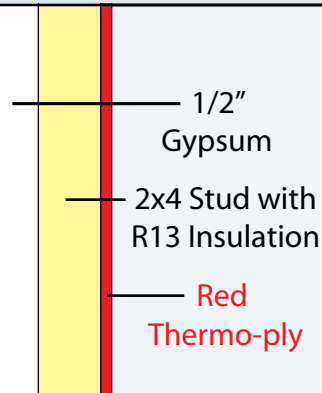
The ABC's of STC's

The STC or Sound Transmission Class describes how well sound is able to pass through an object. Roughly put, the higher the STC, the more of a sound barrier an object presents.

STC Value

- 25 One can clearly understand normal speech
- 30 One can barely understand loud speech
- 35 Loud speech becomes unintelligible
- 42 Loud speech sounds like a whisper

In independent lab testing to ASTM E 90-04 / ASTM E 413-04, Thermo-ply Red showed an STC of 39 when part of a exterior wall structure described here:



Can Red be Green?

We have been using sound environmental practices in the manufacturing of Thermo-ply® sheathing since the early 60's. That's long before it was considered the "in" thing to do. Our practices have saved tree after tree, forest after forest. Thermo-ply:

- Is made from 100% recycled material (80% post-consumer, 20% pre-consumer)
- Uses no CFC's
- Is non-toxic (contains no asphalts, formaldehydes or phenols)
- Is 99% recyclable (job site scrap can be sent to the recycler, not the landfill)

Thermo
ply
PROTECTIVE SHEATHING

BERRY
PLASTICS
CORPORATION
AND SUBSIDIARIES

TAPES AND COATINGS DIVISION
700 Centerville Road
Constantine, MI 49042
800.345.8881

Thermo-ply® Sheathing Technical Specifications

PRODUCT NAME

Thermo-ply® Sheathing

PRODUCT DESCRIPTION

Structural Grade (red) .113"

Basic Use: Thermo-ply Sheathing is used, where required by code, to provide support for interior and exterior wall surfaces for the lifetime of the structure. Installing sheathing on an entire home or structure is generally the most common industry practice. Several additional uses exist, including corner bracing.

Precautions and Limitations: Refer to individual code reports for the various findings and limitations applicable to the specific code areas of influence.

Composition and Materials: Thermo-ply Sheathing is composed of high-quality, long-fibered, specially treated water and weather-resistant plies. Plies are pressure laminated. A special water-resistant adhesive is used. Standard sizes are 48" x 96", 48.75" x 96", 48" x 108" and 48.75" x 108". Custom cut sizes up to 60" wide and 144" long are available upon request. Thermo-ply is available with a variety of approved outer facings, including poly and foil.

TECHNICAL DATA

Construction Specifications Institute Identification Codes:

Sheathings	06115
Structural Panels	06120
Building Insulation	07210
Firestopping (draft stop)	07270

Applicable Standards: Thermo-ply Sheathing meets and/or exceeds all major code requirements, including:

HUD/FHA material release No. 286 (Structural)

For more information please see evaluation reports.

Thermo-ply can be used to meet the new FmHA and FHA insulation standards. Write Berry Plastics Tapes and Coatings Division for further information.

1-Hour Fire Resistive Construction: Thermo-ply Structural Grade~Red may be used in a 1-hour fire-rated wall system, in accordance with the Standard Methods of Fire Tests of Building Construction and Materials using ASTM E-119 testing procedures. Refer

to individual code reports for various approved wall assemblies and limitations.

INSTALLATION

Structural Grade~Red, .113"

For IRC code jurisdictions:

Follow the installation requirements of ESR 1122

For Code jurisdictions other than IRC:

Follow the installation requirements of ICBO Report 1439; follow all local code requirements.

Fastening Procedure: It is important to work from one side of the panel to the other. Begin fastening from the top of the panel to the bottom. Moving across the panel, attach fasteners at the top and bottom of the panel until you reach the next stud. When using staples, fasten them in a parallel direction to the stud. Continue in the same manner until the Thermo-ply panel is properly secured to the frame. In order to prevent gaps or rippling, move across from one side of the panel to the other when installing. **DO NOT** fasten each of the four corners first.

Thermo-ply Architectural Specifications: Furnish and install Thermo-ply Insulative Sheathing as manufactured by Berry Plastics Tapes and Coatings Division, Constantine, Michigan. Sheets 48" x 96" are to be applied with a small gap between panels ($\frac{1}{16}$ " to $\frac{1}{8}$ ""). Sheets 48 $\frac{3}{4}$ " x 96" are to be overlapped $\frac{3}{4}$ ". Staple or nail through Thermo-ply and into studs using 1 $\frac{1}{4}$ " galvanized roofing nails or 16-gauge, 1" minimum crown staples with 1 $\frac{1}{4}$ " staple leg length. Fasteners to be spaced in accordance with manufacturers instructions. Fastening schedule is printed on each sheet of Thermo-ply.

Fasten the bottom edge of Thermo-ply to the 2" x 4" floor plate where it meets the band joist area. It is not recommended to fasten Thermo-ply directly to the band joist area because of anticipated shrinkage. Contact Berry Plastics Tapes and Coatings Division for applications involving floor truss-joist systems.

Window Treatment

If windows and doors are made to accommodate traditional $\frac{1}{2}$ " sheathing materials, use $\frac{3}{8}$ " plywood shims around the openings for a tight, neat installation, or order windows with adjustable nailing fins from your supplier, for easy adaptability to $\frac{1}{8}$ " Thermo-ply sheathing. Thermo-ply must be installed with appropriate

flashing and counter flashing in conformance with accepted building standards and in compliance with local building codes.

AVAILABILITY AND COST

Availability: Nationwide distribution facilities stock Thermo-ply and provide prompt delivery to most local building material / lumber dealers. In addition, Berry Plastics field representatives are located in every part of the country to provide the best possible service.

Cost: Thermo-ply Sheathing is competitively priced. For specific information, contact a Berry Plastics representative.

WARRANTY

Thermo-ply protective sheathing is backed by a 10 year limited warranty. Please contact Berry Plastics Tapes and Coatings Division for more information.

MAINTENANCE

When applied in accordance with manufacturer's recommendations, Thermo-ply Sheathing will not require maintenance.

TECHNICAL SERVICES

Support is provided by full-time technically-trained field representatives and technical service personnel. In addition, Berry Plastics is backed by a research, development and service staff.

For further information, literature or technical support, contact Berry Plastics Tapes and Coatings Division at 800.345.8881.

Information contained herein conforms to the standard detail recommendations and specifications for the installation of Thermo-ply Sheathing and is presented in good faith. Berry Plastics assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents. Berry Plastics Tapes and Coatings Division must approve any deviations from published literature, in writing, prior to application. Contact Berry Plastics Tapes and Coatings Division for most current product information.

Thickness	0.113 ± 0.005
Weight	414 ± 20 lbs./MSF
Sheets Per Skid	300
Corner Bracing Requirement	Structural up to 16" o.c.