Exposed Timber Beam Construction - Install Thermasheath®-3 to the top of the wood roof deck, overlay with plywood, waferboard or OSB and apply shingles or roof tiles per manufacturer's installation instructions.

Vaulted Ceiling Construction - Thermasheath®-3 may be applied to the inside face of the roof rafters in vaulted ceiling construction to increase the R-value of the roof. Simply nail the Thermasheath®-3 to the face of the rafter and cover with gypsum wallboard and finish.

Retrofit Construction - Thermasheath®-3 will help to improve the thermal insulation values of walls when re-siding by simply nailing Thermasheath®-3 over the old siding. Thermasheath®-3 may also be applied as sheathing to walls when the old siding and sheathing are removed.

Exterior Stucco Construction - Thermasheath®-3 may be used as the insulative sheathing under hard coat stucco finishes. First, cover the Thermasheath®-3 with a suitable separation layer such as an organic or inorganic felt. Then, attach conventional metal wire lath and expansion joints with appropriate fasteners as dictated by the local building code. Thermasheath®-3 may be secured to the studs with bugle-head screws, galvanized roofing nails, or common nails driven through cap washers. The interior of the stud wall system should be protected with a suitable vapor retarder. Rmax does not recommend the direct attachment of stucco, portland cement or polymer-modified types, directly to the face of the insulation product. Consult stucco manufacturers for details.

Cavity Wall Construction - Thermasheath®-3 is secured to the dry face of the masonry block wall with a quality grade adhesive. Thermasheath®-3 can be cut by simple methods to fit between masonry joint reinforcements placed to tie the brick veneer to the concrete block back-up. Thermasheath®-3 is an excellent cavity insulation product fitting between the masonry block and finished brick veneer of any residential or commercial product.

Masonry Wall Construction - Thermasheath®-3 is applied to either the exterior face or interior face of concrete or concrete masonry walls to provide an insulation layer over the entire surface. Thermasheath®-3 may be secured to the inside face of a concrete or concrete masonry wall, over or under the furring, and covered with a minimum 1/2 inch gypsum wallboard interior finish.
Adhesives may be used to hold the Thermasheath®-3 in place against the wall temporarily. However, permanent attachment of the Thermasheath®-3, furring, or gypsum wallboard with adhesives is not acceptable. The gypsum wallboard must be secured with suitable screws or nails.

**Roofing System Construction** - Thermasheath®-3 is laid over a suitable roof deck such as tongue-and-groove timber, plywood or metal deck and covered with a suitable layer of plywood. Asphalt or wood shingles, concrete or clay tiles or standing seam metal roof may be installed over the insulated roof deck according to the roofing system instructions.

**Thermasheath®-3** is available in standard four (4) foot wide panels. Standard panel lengths are eight (8) and nine (9) feet. Custom length panels are available for special orders. See “Thermal Properties” for standard thicknesses and thermal resistance values of Thermasheath®-3.

**Thermasheath®-3** is shipped in bundles that are approximately 48” high and wrapped in plastic for easy handling.

**NOTE:** All Rmax products must be tarped, placed on skids, and kept dry before and throughout construction.

**WARRANTY**

See “Sales Policy” for warranty conditions. Rmax does not assume any responsibility or liability for the performance of any products other than those manufactured by Rmax.

**WARNING - DO NOT** leave Thermasheath®-3 exposed. Polyisocyanurate foam is an organic material which will burn when exposed to an ignition source of sufficient heat and intensity, and may contribute to flames spreading. Installations utilizing Rmax Thermasheath®-3 must be fully protected on the side of walls and roofs by a minimum of 1/2 inch gypsum board or equivalent. Masonry or concrete that is a minimum of one-inch thick or plywood that is a minimum of 1/2 inch thick or wood that is a minimum of one-inch nominal thickness is recognized as a suitable thermal barrier. Consult the Local Building Official for specific governing codes and requirements.

**LIMITATIONS**

Thermasheath®-3 is not recommended, nor warranted, for use as a commercial roofing insulation for use directly under membrane systems. See Rmax for suitable commercial roofing insulation products.

Thermasheath®-3 is not a structural panel. Stud walls insulated with Thermasheath®-3 must be properly braced for lateral loads according to the requirements of the local building codes.

**AVAILABILITY**

Thermasheath®-3 is manufactured in the U.S. and is available through an extensive distribution network. Contact Rmax Sales for product availability, nearest distribution center and pricing information.

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, Overall, Nominal</td>
<td>ASTM D1622</td>
<td>2.0 pcf</td>
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<tr>
<td>Compressive Strength</td>
<td>ASTM D1621</td>
<td>20 psi (Avg.)</td>
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<tr>
<td>Flame Spread, Core</td>
<td>ASTM E84</td>
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<td>Smoke Developed, core</td>
<td>ASTM E84</td>
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<td>Water Vapor Transmission</td>
<td>ASTM E96</td>
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<tr>
<td>Water Absorption</td>
<td>ASTM C209</td>
<td>&lt; 1% Vol.</td>
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<tr>
<td>Dimensional Stability</td>
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<td>Linear Change</td>
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**Note:** Physical Properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances. Flame spread numbers are shown for comparison purposes only and are not intended to represent the performance of Thermasheath®-3 and related components under actual fire conditions.

### THERMAL PROPERTIES/PRODUCT DATA

<table>
<thead>
<tr>
<th>Nominal Thickness</th>
<th>Thermal R-Value</th>
<th>Bundle Data (48” x 96”)</th>
<th>Truckload Data (48” x 96”)</th>
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<tr>
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<td>1.25”</td>
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<td>1.5”</td>
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</tr>
<tr>
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*R* values are determined by using ASTM C518 test method at 75°F mean temperature on material conditioned according to PIMA Technical Bulletin No. 101.

(05/07)
Figure 1 - Thermasheath®-3
Applied Over Stud Walls

Figure 2 - Thermasheath®-3
Applied Over Concrete Masonry and Brick Veneer Walls

Figure 3 - Thermasheath®-3
Applied To Interior Side Of Concrete Masonry Walls

Figure 4 - Thermasheath®-3
Applied Under Hard Coat Stucco

Note: Thermasheath®-3 may be applied to the masonry wall and the furring strips applied over the Thermasheath®-3.
LIMITED WARRANTY

Notwithstanding anything herein to the contrary, neither Rmax Operating, LLC, nor any of its employees, representatives, agents or other affiliates (collectively, “Rmax”) makes any representation or warranty whatsoever concerning the performance or condition of the Product. Manufacturer’s Product custom made to specifications after the date of sale is free from any lien or encumbrance, and, for a period of one (1) year from the date of sale, provides for Customer Pickup within 48 hours of notice of availability. The minimum pickup shall be ten (10) bundles.

LIMITATION OF LIABILITY AND BUYER’S REMEDIES

IN THE EVENT OF A DEFECT IN THE PRODUCT COVERED BY THE LIMITED WARRANTY SET FORTH ABOVE, RMAX SHALL, AT RMAX’S OPTION AND EXPENSE: REPAIR OR REPLACE THE DEFECTIVE PRODUCT OR REFUND THE AMOUNT PAID BY THE BUYER FOR THE DEFECTIVE PRODUCT. THE LIABILITY OF RMAX, IF ANY, AND BUYER’S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT. RMAX’S DEFENSE TO WHICH SUCH CLAIM IS MADE WITH HINT LIMITATION THE FOREGOING, RMAX SHALL NOT BE LIABLE FOR BUYER’S LOSS OF USE, REVENUE OR PROFIT, OR FOR ANY OTHER INDIRECT, DIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND, AND BUYER HEREBY WAIVES ANY RIGHT IT MAY HAVE TO SUCH DAMAGES.

GENERAL CONDITIONS

This LIMITED WARRANTY shall not be applicable to defects or damages which, upon inspection by Rmax, are determined by Rmax to be caused by any of the following:

(a) Normal wear and tear;
(b) Intentional vandalism or abuse, or negligent misuse, misuse or abuse (except as noted in accordance with the product instructions).
(c) Use of parts not manufactured or sold by Rmax;
(d) Accidents; fires, floods, storms, and/or natural disasters, including, but not limited to, fire, flood, lightning, earthquakes, hurricanes, hail, hurricanes, wind storms, acts of war or acts of God; or
(e) Improper handling, handling, loading, storage, application or design, modification, alteration, structural movement or maintenance.

Claims against Rmax under the provisions of this LIMITED WARRANTY must be made within thirty (30) days after the alleged defect to which the claim relates is discovered or should have been discovered, by written notice to Rmax at the following address: 13524 Welch Road, Dallas, Texas 75244.

The standard method of shipment shall be via forty-five (45) foot, forty-eight (48) foot, or tandem flatbed trailers, where authority allows, at Rmax’s option. Stopover or pooled materials, strikes or other labor trouble, transportation delay, breakdowns, accidents, fires, riots, war, Acts of God, or other causes beyond the control of Rmax.

Rmax will use reasonable assistance to the Buyer in collecting loss or damage claims from Carrier’s by furnishing duplicate invoices, affidavits showing count when loaded, method of loading, etc. Buyer should in all cases immediately report any claims to Rmax.

A restocking charge of 20% of the invoice price will be deducted from the amount of any claim from Rmax's invoice until the claim is allowed or adjusted. Failure on the part of the Buyer to follow these provisions will waive all rights under this LIMITED WARRANTY. Unless modified in writing signed by both Rmax and Buyer, this LIMITED WARRANTY is understood to be the complete and exclusive agreement between the parties, and supersedes all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this LIMITED WARRANTY. Some states and certain federal laws do not allow limitations on how long an implied warranty lasts, so such limitations or exclusions may not apply to you. In addition, some states do not allow the exclusion or limitation of incidental or consequential damages, so such exclusion or limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

ACCEPTANCE OF ORDERS

All orders are accepted by Rmax at its corporate office in Dallas, Texas and are not binding on Rmax unless so accepted. This acceptance constitutes a complete and binding contract which cannot be modified or canceled without written consent of both parties. The conditions stated herein shall take precedence over any and all conditions, and any additional, or different provisions or conditions shall be binding on Rmax unless accepted by Rmax in writing. An order has been accepted by Rmax when it has been acknowledged in writing or shipped. No order will be accepted or produced until the manufacturing plant has accumulated orders of at least 15,000 board feet of any product in one thickness. Orders of less than 15,000 board feet can only be accepted if the manufacturing plant can coordinate the order with another order of like thickness.

REVISION OF ORDERS

Change and/or cancellations of orders will be accepted providing the plant is notified five working days in advance of the requested shipping date. Notification of changes and/or cancellations must be verified in writing. On cancellations that occur after the five working day limit, the Buyer will be charged a restocking charge of 20% if the material has already been produced.

RETURN OF ORDERS

Requests to return material to Rmax’s plant must be made in advance by the Buyer’s Plant Manager. Credit for approved requests to return material, when such requests are for reasons other than material of workmanship, will be issued on the basis of the price at which the goods were originally invoiced, less the actual price of re-conditioning and restocking as determined by Rmax. Such restocking charges will be no less than 20% of the invoice price of the goods. All return freight is the Buyer's responsibility.

TITLE-SHIPMENT-RI SK OF LOSS

Title to all goods shipped to the Buyer is transferred at the point of sale pass to the Buyer upon delivery by Rmax to the Carrier at Rmax’s shipping point. All deliveries of goods are F.O.B. Rmax's shipping point, unless otherwise noted in the face of Rmax's quotation. Receipting of shipments shall be at the sole discretion of the Carrier, unless directed otherwise by the Buyer at the time of placing an order. Rmax makes every effort to deliver orders at the requested delivery time, however, Rmax does not guarantee timely deliveries. A delay in delivery or shipment will not be accepted as a basis for charge-back or claim for damages. Charges for re-consignment, drivers-assisted unloading, detention, and/or demurrage assessed by the Carrier in accordance with provisions of the Carrier’s tariffs, will be the Buyer’s responsibility. All risks of loss or damage during transit pass to the Buyer with the transfer of title as noted above. All claims for loss or damage in transit must be filed with the Carrier by the Buyer. Material is loaded in accordance with the Carrier's loading instructions to insure delivery without damage. Rmax will give all reasonable assistance to the Buyer in collecting loss or damage claims from Carrier's by furnishing duplicate invoices, affidavits showing count when loaded, method of loading, etc. Buyer should in all cases immediately report loss and/or damage to Carrier and request inspection in case of damage.

FORCE MAJEURE

Rmax will not be liable for damages resulting from a failure to ship any order in accordance with the terms of the order where such failure is caused by any requirements of a government agency or authority, shortage of raw materials, strikes or other labor trouble, transportation delay, breakdowns, accidents, fires, riots, wars, Acts of God, or any other causes beyond the control of Rmax.

TERMS OF PAYMENT

2½% ten (10) days; net thirty (30) days after date of invoice, contingent upon the Buyer having made prior satisfactory credit arrangements. Interest at the maximum rate permitted by the law will be added to all invoices not paid within thirty days from the date of the invoice.

PRICE POLICY

All products will be invoiced at the applicable list price on the date of shipment. In the event of a price increase, all undiscounted orders accepted by Rmax prior to the effective date of the price increase shall be invoiced at the increased prices in effect at the date of shipment.

TAXES

- All applicable taxes on the production, transportation, or sale of Rmax's products shall be the Buyer's account.

SHIPPING AREAS

The fifty states of the United States of America, Mexico and Canada

SHIPPING POINTS AND MANUFACTURING PLANTS

- (1) Rmax; 1649 S. Batesville Road; Greer, South Carolina 29650. (2) Rmax; 13524 Welch Road; Dallas, Texas 75244. (3) Rmax; 210 Lyon Drive; Fernley, Nevada 89408

SHIPPING METHODS

Rmax reserves the right to choose the Carrier and routing, unless otherwise directed by the Buyer in writing at the time of placing an order. Additional costs associated with Buyer specified Carriers and/or routes shall be for the Buyer's account. The standard method of shipment shall be via forty-five (45) foot, forty-eight (48) foot, or tandem flatbed trailers, where authority allows, at Rmax’s option. Stopover or pooled truckloads are permitted, but limited to one stop and a final destination. The stopover location must be in line with the final destination and not in excess of 150 miles between stops. Applicable stopover charges shall be applied to the invoice of the goods.

TRUCKLOAD QUANTITIES

1. 4' x 8' panels- twenty-four (24) units per forty-eight (48) foot flatbed trailer;
2. 4' x 4' panels- forty-eight (48) units per forty-eight (48) foot flatbed trailer;
3. Custom length panels- Lengths for other than these standards noted above cannot be accommodated on standard flatbed trailers to permit loading of the full truckload quantity required. Buyers ordering custom panel lengths must request in writing at least thirty (30) days prior to delivery date and shall be required to order a variable item of standard length and size to fill out the load, or pay any increase in freight due to any inability to load full truckload quantity caused by nonstandard length of item(s) ordered.

SPECIAL ORDERS

- No order will be accepted or produced until the manufacturing plant has accumulated orders of at least 15,000 board feet of any one product in any one thickness. Orders of less than 15,000 board feet can only be accepted if the manufacturing plant can coordinate the order with another order of like thickness.

LEAD TIMES

Lead time for the standard insulation products shall be five (5) to ten (10) working days from the receipt of the order at Rmax's manufacturing plant. Lead time for nonstandard insulation products shall be twenty (20) working days from the receipt of the order at Rmax's manufacturing plant. This is based upon minimum orders of 30,000 board feet. Lead time for stopover or pooled freight loads shall be as noted above except that Buyer shall apply only from the time that Rmax can arrange the required pool truck.

LTL SHIPMENTS

LTL shipments are permitted subject to the following conditions:
1. Minimum order is approximately 15,000 board feet.
2. All shipments will be invoiced at the applicable list price plus a carbon charge.
3. Shipments will be freight collect with all freight charges for the Buyer's account.

CUSTOMER PICKUP

- Customer pickup of ordered goods shall be permitted providing the Buyer makes prior arrangement with Rmax's Plant Operator. The Buyer shall be required to pick up goods for Customer Pickup within 48 hours of notice of availability. The minimum pickup shall be ten (10) bundles.

GENERAL PROVISIONS

This document with all attachments constitutes the entire agreement between Rmax and the Buyer and is intended as a final, complete and exclusive expression of the agreement. This agreement supersedes all prior representations and understandings and agreements. Any failure on the part of Rmax to insist on the performance of any term hereon shall not be construed as a waiver or relinquishment of Rmax’s right to such performance and Buyer's obligation shall continue in full force and effect.

WARRANTY

Polyisoacrylate is an organic material which will burn when exposed to an ignition source of sufficient heat intensity and may contribute to flames spreading.

CHOICE OF LAW

THE AGREEMENT SHALL BE GOVERNED AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS

FORUM SELECTION CLAUSE

ANY DISPUTE OR RELATING TO THIS TRANSACTION SHALL ONLY BE LITIGATED IN AN APPROPRIATE FEDERAL OR STATE COURT LOCATED IN DALLAS, COUNTY, TEXAS

WAIVER OF JURY

EACH PARTY HEREBY IRREVOCABLY WAIVES ALL ANY AND ALL RIGHTS TO TRIAL BY JURY WITH RESPECT TO ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS TRANSACTION

(2/07) pkl