BUILDING TRUST

PRODUCT DATA SHEET

SikaWall®-3000 Rapid Bond

One component, fast curing polyurethane foam adhesive.

PRODUCT DESCRIPTION

A one-component, low-expansion polyurethane spray foam adhesive for rigid insulation boards specifically designed for use in Sika Facades Exterior Insulation & Finish System (EIFS). This fast set adhesive allows for EPS and GPS rasping one hour after insulation board installation.

USES

For use to adhere EPS and GPS rigid insulation boards in approved Sika Facades EIFS.

Note: For above-grade vertical walls. Not for use on overhead horizontal conditions.

CHARACTERISTICS / ADVANTAGES

- No mixing required, a ready-to-use one-component product.
- Cures in one hour or less, shortens system application time.
- Two convenient package sizes, reduce waste and ease application

PRODUCT INFORMATION

Packaging	▪ Canister 24 oz (680 g) -12 per carton ▪ Cylinder 23 lbs (10.43 kg) -1 per carton
Shelf Life	▪ One (1) year when unopened and stored as directed. ▪ Use within 30 days of opening the cylinder valve and within 12-month shelf life.
Storage Conditions	▪ Store upright in a dry area at temperatures between 50-95°F (10-35°C). Excessive heat can cause premature aging of components resulting in a shorter shelf-life. ▪ Do not allow material to freeze. In Use Cylinder Storage: ▪ Insert a nail into the end of nozzle to restrict moisture from entering. For longer storage up to 30 days, remove the nozzle and spray cleaning solvent through nozzle and around the ball valve. ▪ Do not disconnect the dispensing hose/gun or remove hoses from cylinders. Do not flush/clean hoses with air, water, or solvent. Removing and/or cleaning the hose will compromise the foam. Leave the dispensing unit hose pressurized. Wrap the hose end with plastic.

Volatile organic compound (VOC) content 0 g/l with exempt solvent

TECHNICAL INFORMATION

	Method	Criteria	Results
Compressive Strength	ASTM D1621	Report Value	8.6 psi (59.29 kPa) Parallel
Tensile Strength	ASTM D1623	Report Value	25 psi (172.37 kPa)
Tensile Adhesion Strength	ASTM C-297	> 15 psi (103 kPa)	> 15 psi (103 kPa)
Reaction to Fire	ASTM E-84/UL 723	< 25 Flame Spread Index < 450 Smoke Developed	0 50

APPLICATION INFORMATION

Coverage	Canister: 105-110 ft² (9.7-10 m²) Cylinder: 970-1,000 ft² (90-93 m²) Coverage varies with surface conditions, application technique and ribbon size.
Ambient Air Temperature	▪ Minimum surface and ambient temperature for use is 40°F (4.4°C) and rising. ▪ Maximum application temperature is 115°F (46°C).
Open Time	The time between placing adhesive ribbons onto the insulation board and the time the ribbons skin over is approximately 1-5 minutes.
Cure Time	▪ 1 hour, under average conditions of 70°F (21°C) and 50% Relative Humidity ▪ Cooler temperatures and lower humidity will extend the cure time. ▪ Protect adhesive from rain or other precipitation and temperatures less than 50°F (10°C) for a minimum of 1 hour or until dry.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

SURFACE PREPARATION

Surfaces shall be clean, free of dirt, oil, grease, paint, concrete sealers, form releasing agents or curing compounds, and are structurally sound.

- Verify substrate is flat, free of fins or planar irregularities greater than 1/4" in 10' (6.4 mm in 3 m). Do not apply adhesive in excess of 3/4" in an effort to offset irregularities in the substrates.
- Apply adhesive to a sample insulation board to establish the flow/gun control valve setting and ribbon application rate required to produce properly sized adhesive ribbons. Ribbons should be approximately 5/8”-3/4” (6-19mm) in maximum width.
- Concrete: allow to cure a minimum of 28 days prior to application of adhesive.
- Unit Masonry: allow to cure prior to application of adhesive
- Sika Facades Air/Water-Resistive Barrier: allow to dry a minimum of 24 hours or until dry.

MIXING AND DISPENSING

Canister

1. Shake can vigorously for 30-60 seconds before initial use. Invert can and screw foam dispensing gun firmly into place. Screw until finger-tight do not over tighten.
2. To prime, open flow control knob and press trigger to dispense foam into an appropriate waste receptacle. Adjust flow control knob to achieve desired steady flow and foam bead size of 5/8"-3/4".
3. When changing cans, tighten the flow control knob before removing the empty can. Use a solvent cleaner to clean the gun as needed. Do not use a sharp object to clean the gun.

Cylinder

1. Remove cylinder, hose/gun, nozzles and wrench from carton. Always keep cylinder upright.
2. Shake cylinder vigorously from side to side 15-20 times prior to initial use, at the start of each day and after prolonged work interruptions.
3. Hand tighten the hose to cylinder and nozzle to gun. To attach nozzle, line up the nozzle with the slots on the gun, and twist 1/4 turn clockwise to secure. Tighten hose connections with the wrench. Work carefully, do

not over tighten or cross thread connections.
4. Confirm the gun valve is tightly closed. Open cylinder valve and confirm hose connections are leak free.
5. To prime, open gun control valve and press trigger to dispense foam into an appropriate waste receptacle. Adjust gun control valve to achieve desired steady flow and foam bead size.
6. Reuse: Shake cylinder vigorously from side to side 15-20 times. Make sure the nozzle is completely cleared of any cured adhesive. With cylinder in upright position, open the cylinder valve. Cylinder is ready for use.
7. Replacement Nozzle: remove nozzle by simply twisting a 1/4 counterclockwise and pulling. To attach, line up the nozzle with the slots on the dispensing unit and twist 1/4 turn clockwise to secure.

APPLICATION

Apply adhesive to a sample insulation board to establish the flow/gun control valve setting and ribbon application rate required to produce properly sized adhesive ribbons. Ribbons should be approximately 5/8”-3/4” (6-19mm) in maximum width.

1. Starter courses: Provide temporary support for the initial course of insulation board to hold it in place as subsequent courses are added above the boards.
2. Apply a ribbon to each end of the (2’ x4’) insulation board, parallel to the short dimension of the board. Position the end ribbons approximately 3/4” (19mm) from the end of the insulation board.
3. Apply six (6) more ribbons for a total of 8 to each 2’ x 4’ (0.6m x 1.2m) insulation board, evenly spaced nominally 5”-6” (12.7cm-15cm) apart between the end ribbons. Start and stop adhesive ribbons approximately 1/2" (12.7mm) from the edge of the board.
4. Apply insulation board to prepared substrate when adhesive ribbons have tack and before the surface of ribbons begin to form a skin. Install the board using LIGHT but firm pressure, taking care not to over-compress the adhesive ribbons.
   - NOTE: The time between placing adhesive ribbons onto the insulation board, and the time the ribbons skin over is approximately 1-5 minutes.
5. Be precise with the initial placement of insulation boards. The adhesive sets rapidly and provides limited opportunity to adjust insulation board placement.
6. Install insulation boards in a running bond pattern with staggered joints, tightly abutted. Slight post-expansion of the adhesive will occur which can cause unevenness at board joints. Use a straight edge to lightly press boards to keep board joints flush. Board joint gaps up to 1/4" (6.4mm) can be filled with SikaWall Rapid Bond, ensure any excess foam is rasped flush.
7. For partial boards, use the same procedure as full boards with ribbons of adhesive, spaced not more than 5” to 6” (12.7-15.3cm) apart.
8. Rasp insulation boards after full cure of adhesive, typically after one hour in nominal conditions 70°F (21°C) and 50% relative humidity. Cooler temperatures and lower humidity will extend cure time. Do not rasp insulation boards until full cure has occurred.

CLEAN UP

- Uncured adhesive may be removed with a cleaning solvent such as acetone.
- Cured foam can be removed mechanically. Always use proper PPE during cleaning and disposal procedures.

DISPOSAL

Before disposing of containers, relieve container of any remaining foam and pressure. Allow the dispensed product to fully cure before disposing. Never discard in a liquid state. This material must be disposed of in accordance with all local, regional, national, and international regulations.

Consult Sika Facades Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications.

USES

1. Not for use with mineral (stone) wool insulations.
2. Not for use with insulated masonry and stone veneer systems.
3. Use only for above-grade vertical walls. Not for use on overhead horizontal conditions.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear proper PPE, including protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Read all instructions and safety information prior to use. Consult the Safety Data Sheet (SDS) for further information.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the

obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com