



BOSS[®] 348 Multi-Purpose Construction Adhesive

TYPICAL PROPERTIES

Type	Blend of Polymer Emulsions
Color	Tan
Solids by Weight	75%
Flash Point	>200°F
Application Temperature	40°F to 100°F
Service Temperature	10°F to 120°F
Freeze-Thaw Stability	Stable
Clean Up	Water while adhesive is wet

*Information on this data sheet is subject to change without notice and should not be used for writing specifications.
For additional information on specific applications, contact Accumetric, LLC



DESCRIPTION

BOSS[®] 348 Multi-Purpose Construction Adhesive is a premium quality, waterproof adhesive. It is specially designed for the bonding and installation of all types of plastic foams and polystyrene including Styrofoam[®] brand plastic foam and Formular[®] Extruded Polystyrene Insulation. When used as directed, **BOSS[®] 348** will not attack polystyrene and other plastic foams. Because of its unique design, this adhesive forms a 'bridge' between the panel and the bonding surface with a strong yet flexible bond. This product is also highly recommended for use with all types of vinyl covered gypsum board due to excellent initial tack and rapid bond development. It will not cause any staining, bleeding, or blistering effect.

BOSS[®] 348 provides excellent adhesion to a wide variety of building materials including wood, fiberboard, metals, masonry, brick, concrete, marble, cork, insulation hangers, polystyrene bath panels, fiberglass, glass, glazed surfaces and much more.

Styrofoam[®] is a registered trademark of Dow Chemical USA
Formular[®] is a registered trademark of U.C. Industries, Inc.

FEATURES

- **Fast, easy to use**
- **Bridges minor framing irregularities**
- **Easy clean up**
- **Reduces sound transmission**
- **Light tan color**
- **Unaffected by moisture**
- **Drip resistant**
- **Fast grab, sets up quickly**
- **Reduces nailing**
- **VOC Compliant**

APPLICATIONS

BOSS[®] 348 is primarily a dual-purpose adhesive to be used with most types of plastic foams and paneling, this eliminating the need to purchase two adhesives. This product is not a contact adhesive, meaning it will allow repositioning of panels for up to 20 minutes. **BOSS[®] 348** offers fast and easy installation with reduced mechanical fasteners. The end result is a joint that looks better and is stronger in construction. As a multi-purpose adhesive, this product has a wide variety of uses which includes both commercial and consumer applications. Primarily, this product is used for bonding foam to block or concrete walls and ceilings, bonding drywall, vinylboard or paneling to foam and/or wood or metal studs. **BOSS[®] 348** is also used in the manufacturing or construction of cold storage units in the Low Temperature market. It is also recommended for foam to block in exterior applications below grade.

HOW TO USE

Application Methods

- 1. Extruded Bead Method:** For relatively smooth and level surfaces, apply a 3/8" round bead of adhesive to full length of a sheet of foam board 1" in from the edge. Then run an "X" bead from corner to corner through the field of the board. *Alternate Method:* Use parallel bead 12"-16" on center the full length of the foam board. For applications involving wood or metal framing members, apply a 3/8" continuous bead on each framing member. This method is easiest and most widely used in the industry.
- 2. Spot Method:** For rough surfaces, this method works best. Using a putty knife, apply spots of adhesive to the surface of the board beginning at one corner and spacing the spots 8"-12" on the center. Each spot of adhesive should be at least 1" across by 3/4" high. The method usually requires a greater amount of adhesive than does the Trowel Method. Do not use this method on wood or metal studs.
- 3. Trowel Method:** For greater surface contact and holding power, apply adhesive using a 1/4" deep notched trowel over entire surface of the foam board or paneling, 1" in from the edges. This method is recommended for all specialty applications where almost immediate holding power is desired. This method will also allow fewer mechanical fasteners (on paneling and drywall applications to flat surfaces).

Application Procedures

- All surfaces must be clean, dry, free of dirt, oil film, dust and release agents. All surfaces must also be smooth, plumb and true to dimension. Walls having excess irregularities must be made level and plumb by either filling in the low spots and/or removing high spots. All masonry and plaster must be swept and wiped down thoroughly. All painted surfaces must be scraped or rough sanded to insure a good bond. New concrete must be allowed to cure 28 days prior to using adhesive and must be free of any release agents.
- Application Time:** Apply no more adhesive than can be bonded within 20 minutes.
- Position and press firmly in place to insure proper contact. Use temporary bracing or blocking until adhesive sets.** (See specific details regarding mechanical fasteners.)

LIMITATIONS

BOSS® 348 is not designed for continuous submersion. When applying over paint, wallpaper, ceramic tile or other thin non-porous materials, sanding or scraping to penetrate that surface will allow drying and increase bond strength. This product cannot be used to bond one non-porous surface to another because such a situation will prevent drying.

SPECIFICATIONS

BOSS® 348 exceeds the requirements of the APA's AFG-1 Specification and ASTM C557.

CAUTION

EYE AND SKIN IRRITANT. Contains ethylene glycol. Do not swallow. Do not allow eye contact or prolonged skin contact. **First Aid:** If swallowed, do not induce vomiting; contact physician. If eye contact occurs, flush with water for 15 minutes. Wash skin contact areas with soap and water. If irritation from eye or skin contact areas persist, contact physician. **KEEP OUT OF THE REACH OF CHILDREN.** For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

STORAGE AND SHELF LIFE

For best results store above 40°F. When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 348** has a shelf life of 12 months from date of shipment. In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. **DO NOT** stack cartons on their side. **NEVER** stack cartons more than 8 high. **DO NOT** store within 1 meter (4 feet) of roofline of the warehouse or storage building.

PACKAGING

BOSS® 348 is available in standard caulking cartridges.

SHIPPING LIMITATIONS

None.

Nonreactive VOC 6.6 g/l (<1% wt)

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Accumetric's control, we can accept no liability for the results obtained. Accumetric's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Accumetric will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted.

Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

BOSS® PRODUCTS

Accumetric, LLC
350 Ring Road
Elizabethtown,
Kentucky 42701 USA
800-928-BOSS(2677)
TEL (270)769-3385
FAX (270)765-2412
Outside U.S.
TEL +1(270)769-3385
FAX +1(270)765-2412

Accumetric Asia Pacific, LTD
18 Kitpanit Bldg, 5th Floor
#502 Patpong Road
Suriyawong, Bangrak
Bangkok, 10500 Thailand
TEL (662)634-3060
FAX (662)634-3066

www.bossproducts.com