

BOSS® 345 Drywall Construction Adhesive

TYPICAL PROPERTIES

Type	Synthetic Rubber and Resins
Color	Tan
Solids by Weight	65%
Flammability (See OSHA Cautions on Label)	Flammable While In Use
Flame Spread (ASTM E-84)	6
Smoke Development (ASTM E-84)	1
Toxicity (See MSDS)	Toxic Only If Swallowed
Open Time at 70°F (21°C) and 50% RH	30 minutes
Set Time	24 to 48 hours
Cure Time	3 to 7 days
Application Temperature	-20°F to 100°F (-7°C to 38°C)
Service Temperature	-20°F to 140°F
Freeze-Thaw Stability	Will Not Freeze
Clean Up	Mineral Spirits or Paint Thinner

*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® 345 Drywall Construction Adhesive is a high quality, non-staining waterproof adhesive specially developed for adhering drywall to structurally sound surfaces. The unique light colored formula is best suited for bonding gypsum board to wood or metal studs, laminating gypsum board to gypsum board and bonding gypsum board to concrete or block walls. **BOSS® 345** provides sufficient open time for the positioning of gypsum panels and will allow up to 50% reduction in the use of mechanical fasteners generally required in applications without adhesives. The mastic type properties of this product offer excellent initial tack and rapid bond development and the ability to bridge minor framing irregularities that occur. When cured, **BOSS® 345** provides permanent holding power, yet is flexible enough to allow for structural movement due to settling. Structural stress is distributed equally throughout the bonding area which provides for greater strength and safety in wall and ceiling assemblies without weak points.

USES

BOSS® 345 is best suited for bonding gypsum board to wood or metal studs, laminating gypsum board to gypsum board and bonding gypsum board to concrete or block walls. It is widely used in new construction of single-family and multi-family homes, manufactured housing, commercial construction, and all remodeling, remedial and renovation projects where drywall or gypsum products are installed. **BOSS® 345** is designed to make installations quick, easy and less costly. When applied as directed, the adhesive, combined with the approved mechanical fasteners is the preferred method for permanent, safe installations.

- Helps eliminate nail pops and call backs
- Bridges minor framing irregularities
- Reduces sound transmission
- Reduces fastener use up to 50-60%
- Unaffected by cold weather use
- Waterproof and weatherproof

HOW TO USE

Application Procedures

All surfaces must be clean and free of dust, dirt, oil, mud, ice, snow, standing water and other foreign substances prior to using adhesive.

General Construction Use

Pre-cut and fit materials before applying adhesive. All materials should be glued in place within 30 minutes after adhesive application. If work is delayed, remove excess adhesive and begin again. Proper adhesive application is obtained by double cutting the spout on each cartridge, producing 45° angles opposite each other.

Wood and Metal Studs

Apply a continuous 1/4" to 3/8" bead of adhesive to all framing members starting 4-6 inches from the top and ending 4-6 inches from the bottom of where each panel is positioned on the stud. Apply two 1/4" parallel beads of adhesive on framing members where joints abut. Position gypsum board and press firmly into place. Do not use warped panels unless they have been prebowed. Follow the fastening schedule for Adhesive Nail-on Attachment in the Gypsum Association Manual (GA-201) or Table No. 47-G of the Uniform Building Code. Perimeter fasten 16" O.C. for walls and ceilings, and 24" O.C. in the field of ceiling applications. Field fasteners are not required for wall construction unless walls show evidence of warping. For shear wall construction, field fasteners are required per I.C.B.O. Evaluation Service, Inc. E.R. 2769.

Laminating Gypsum Board

Apply 1/4" to 3/8" zig-zag beads of adhesive 12" O.C. to the base ply or fixed structure. Position and firmly press panels to the bonding surface. Follow recommended fastening schedules in Table No. 47-H of the Uniform Building Code for two-ply construction or refer to the Gypsum Association Manual (GA-201) for multi-ply construction. For single-ply construction to concrete walls, concrete should be cured at least 28 days and free of any release agents prior to using adhesive. Permanent mechanical fasteners are required the same as for applications to wood or metal studs. Field fasteners are recommended.

Fire-Restrictive Construction

BOSS® 345 Drywall Construction Adhesive is not a fire-rated adhesive. However, this type of adhesive may be used in fire-rated assemblies providing the framing, fastener size, type and spacing follow that of the system tested. No deviation is permitted whether or not adhesive is used.

LIMITATIONS

Do not use in unlined expanded or extruded polystyrene foam. Not recommended for use on polystyrene or ABS plastic panels. Not recommended for use on prefinished vinyl covered gypsum panels.

COVERAGE

3/8" BEAD: approx. 14 lin. ft./10.5 Oz.
approx. 40 lin. ft./29 Oz.
approx. 176 lin. ft./Gal.

TROWEL METHOD: 50-60 sq. ft./Gal.
(Using 1/4" X 1/4" notched trowel)

SPECIFICATIONS

BOSS® 345 Drywall Construction Adhesive fully meets or exceeds the following specifications: ASTM C557-73, tested in accordance with ASTM E72-77 for racking and shear, allowable shear loads 110 lbs. per ft. for walls per ICBO Evaluation Service, Inc.-E.R. No. 2769, U.B.C. Standard No. 47-2, ASTM E-84 for Surface Burning Characteristics, FHA-HUD Approved, conforms to Canadian CGSB 76-GP-25M Specifications.

CAUTION

FLAMMABLE. CONTAINS HEPTANE AND NAPHTHA SOLVENTS. Prevent build up of vapors. Vapors may cause flash fires. Use only in areas of cross ventilation. Open all windows and doors during application and curing. Keep away from heat, sparks and open flames. Avoid breathing of vapors. Avoid prolonged or repeated skin contact. **IN CASE OF EYE CONTACT**, flush immediately with plenty of clean water for at least 15 minutes. **IN CASE OF SKIN CONTACT**, wash thoroughly with soap and water. **IF SWALLOWED, DO NOT** induce vomiting. Consult physician or regional poison control center immediately. Overexposure to vapors is irritating to eyes and respiratory tract, may cause headaches, dizziness, and is anesthetic. If overcome by vapors, remove to fresh air. Consult MSDS for further information. **KEEP OUT OF REACH OF CHILDREN.**

PACKAGING

BOSS® 345 Drywall Construction Adhesive is available in 29 Fl. Oz. cartridges and 5 gallon pails.

STORAGE AND SHELF LIFE

When stored in a cool, dry place at room temperature (70°F to ±5°F), **BOSS® 345** has a shelf life of 12 months from date of shipment. Containers should always be kept sealed when not in use. In cold weather, product should be kept at room temperature 24 hours prior to use.

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.

The supplier warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The users exclusive remedy and the suppliers sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind.

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

MADE IN U.S.A.

BOSS® PRODUCTS

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