

# BOSS<sup>®</sup> 638 Subfloor Gun

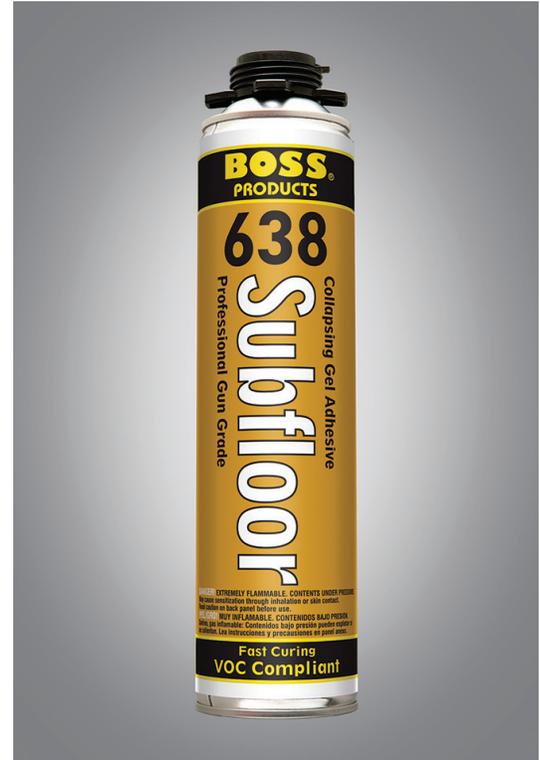
### TYPICAL PROPERTIES

Base .....	Single component polyurethane
Consistency.....	Collapsible gel adhesive
Curing system .....	Moisture cure at room temperature
Curing time (*) .....	About 4 hours
Skin formation (*) .....	About 20 minutes
Full strength (*) .....	About 24 hours
Post expansion .....	Minimal
Shear strength (wet lumber) (ASTM D3498) .....	205 psi
Shear strength (dry lumber) (ASTM D3498) .....	283 psi
Shear strength (frozen lumber) (ASTM D3498) .....	587 psi
Moisture resistance (ASTM D3498) .....	316 psi
Temperature resistance .....	-40 °F to +194 °F
.....	+248 °F (up to max. 1 hour)
Service Temperature.....	-40°F - 200°F
Application Temperature .....	23°F - 100°F(**)
.....	With can temperature between 41°F and 95 °F

(\*) Measured at 68 °F / 65 % R.H. These values may vary depending on ambient factors such as temperature, humidity and type of substrate.

\*\*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 Soudal Accumetric.



### DESCRIPTION

**BOSS<sup>®</sup> 638** Subfloor is a ready-to-use, single component, high strength, fast curing polyurethane adhesive that collapses to a gel immediately after dispensing. It is used for clean, efficient and economical permanent subfloor bonding in building and construction. **BOSS<sup>®</sup> 638** Subfloor does not contain CFC's or HCFC's.

### USES

- Clean, efficient and economical permanent bonding of all common types of subfloor decking.
- Other horizontal construction adhesive applications.

### FEATURES

- One can of Soudabond Subfloor replaces up to 12 quart cartridges of traditional adhesive.
- Saves application time (up to 25%) and money over the use of traditional adhesives.
- Excellent initial bond, even at low temperatures.
- Economical in use due to precise application.
- Can be applied at temperatures between 40 °F and 95 °F.
- Limited post expansion for fast and precise installation of subfloors.
- Substantial space and weight savings compared to conventional PU adhesives, bonding mortars, etc.
- Fast curing.
- Solvent-free.
- Resistant to a variety of solvents, paints and chemicals.
- Does not age or rot, mold and mildew resistant, but not UV resistant.
- Water resistant (not watertight).
- Sticks to wet or frozen lumber.
- Can prevent floors from squeaking.

## HOW TO USE

Prior to using the product, cover all adjacent areas for protection against soiling. In windy conditions, precautions must be taken to ensure that Soudabond Subfloor cannot contaminate components, objects or persons in the vicinity.

**Good ventilation must be ensured for indoor use. The product is flammable during dispensing.**

Wear protective goggles and gloves. Tightly screw the can to the thread in the gun and shake the gun about 30 seconds with the valve pointing downwards so that the contents are mixed well to ensure an optimum adhesive quality and high yield. After extended periods of non-use, the can must be shaken again to obtain the required adhesive quality! With the control knob on the gun, adjust the adhesive bead to the required diameter of about 1/2". (The emptier the can, the more the control knob needs to be opened). The can must be held vertical during application.

1. Apply the adhesive in uniform beads of 1/2" centrally onto the mounting studs. A distance of 0.4 to 0.8 inch must be maintained between the gun nozzle and substrate while spraying.
2. Place the subfloor decking onto the gel adhesive within 10 minutes after dispensing. Do not remove and reapply panels as this will damage the adhesive structure and reduce the adhesive strength substantially. At high temperatures and low humidity in particular, curing can be accelerated by lightly spraying the adhesive bead with water.
3. Once the panels are set, and while keeping pressure, secure the boards additionally with mechanical fasteners.

**General note:** Do not load/subject the subfloor decking to traffic within the curing time! **BOSS® 638** Subfloor can be painted or plastered after curing.

## DANGER!

**EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE.** Turn off all pilot lights, electrical igniters, burners and other sources of ignition or heat during use. Do not smoke, use matches or lighters while dispensing foam. Do not expose to direct sunlight, high heat or store in enclosed vehicle. Avoid breathing vapor/spray. Use only outdoors or in a well ventilated area with appropriate breathing apparatus. Avoid contact with skin and eyes. Wearing eyewear and gloves is recommended. Do not incinerate or puncture can. Store at temperatures below 120°F.

**EYE IRRITANT. May irritate or cause allergic reaction to skin. Inhalation of vapor may result in respiratory allergies including asthma.** Persons with known isocyanate allergies should avoid any skin or respiratory contact with product ingredients. Use with adequate ventilation or suitable respiratory protective equipment. Wear protective clothing to avoid skin contact. Wear eye protection.

**FIRST AID: Inhalation** - move immediately to fresh air. **Eye contact** - flush eyes immediately for 15 minutes. **Skin contact** - wash affected area immediately with plenty of soap and water. Get medical assistance in all cases (show label when possible).

For further health and safety information consult the current Safety Data Sheet (SDS) available from **BOSS® Products** at 800-928-2677.

**KEEP OUT OF REACH OF CHILDREN.**

## SPECIFICATIONS

**BOSS® 638** Subfloor has been tested according to ASTM E 84 and ASTM D3498. UL 723 (ASTM E 84) Fire test: Flame Spread 15, Smoke Developed 35

## CLEAN UP

Uncured sealant can be easily removed using a solvent such as alcohol or acetone. For an environmental and health friendlier choice use **BOSS® Biggie Wipes**. If the sealant is cured it must be removed mechanically by cutting and scraping.

## COLORS

**BOSS® 638** Subfloor is available in champagne and brown.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 77°F (25°C), **BOSS® 638** Subfloor has a shelf life of 18 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® 638** Subfloor is available in 29 oz aerosol cans (12 per box)

## SHIPPING LIMITATIONS

Ground shipments only. Cannot ship by air.

Reactive VOC 190.1 g/l (26% 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 Soudal Accumetric's control, we can accept no liability for the results obtained. Soudal 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. Soudal 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**

**Soudal Accumetric**

350 Ring Road / Elizabethtown, KY 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

[www.bossproducts.com](http://www.bossproducts.com)