

# Soudabond Subfloor

**SOUDAL**

- Gun applied Fast Curing PU Collapsible Foam Adhesive
- 100% Solvent Free
- For Interior and Exterior Use
- Time & Money Saving Application
- One 29oz Can Replaces Up to 12 Quart Tubes of Solvent Based Adhesive
- Protects Against Squeaks by Forming a Tight Seal
- Can be Applied to Wet, Dry, or Frozen Lumber
- Meets ASTM D3498
- VOC Compliant
- Excellent Adhesion to:
  - Concrete      Masonry
  - Metals        Decking
  - Plywood      OSB Treated Lumber
  - Etc.

## Bonding of Subfloors Wood to Wood Assemblies

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# Soudabond Subfloor



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)

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

#### Limitations:

- Excellent adhesion on most substrates, except for PTFE, PE and PP.
- Lower temperature and humidity will extend curing time.

#### CAUTION:

KEEP OUT OF REACH OF CHILDREN. For professional use only. KEEP AWAY FROM HEAT (>49°F), SPARKS AND OPEN FLAME. DO NOT PUNCTURE OR INCINERATE CAN. DO NOT EXPOSE TO DIRECT SUNLIGHT. USE ONLY IN WELL VENTILATED AREAS. In case of eye contact, flush eye with water for 15 minutes and get immediate medical attention. For inhalation, move to fresh air. For skin contact, wash thoroughly with water and soap. If swallowed, drink large quantities of water, but do not induce vomiting. Call a physician immediately. Refer to SDS for further information.

PLEASE REFER TO TECHNICAL DATA SHEET FOR COMPLETE INFORMATION ABOUT THE PRODUCT





## FREQUENTLY ASKED QUESTIONS

### 1. At what temperatures can Soudal Soudabond Subfloor adhesive be installed?

- Soudal Soudabond Subfloor adhesive has an installation temperature range of 20°F-105°F.

### 2. How many panels can I install with one can?

- One can of adhesive will yield approximately 500 linear feet (@1/2"). For ordering purposes, a good rule of thumb is to reduce the yield by 5-10% to accommodate framing irregularities.

Joist Spacing	# of Joists per Panel	Linear Feet of Adhesive per Panel	Approximate # of Panels per Individual Can	Approximate # of Panels per Individual Can less 10%
16" oc	7	28 ft.	14	13
19.2" oc	6	24 ft.	16.5	15
24" oc	5	20 ft.	20	18

### 3. What is the shelf life of Soudal Soudabond Subfloor adhesive?

- 18 months.

### 4. What is the shelf life of Soudal Gun & Foam polyurethane cleaner?

- 36 months.

### 5. If I don't finish an entire can, can I use the rest later?

- Yes. If you leave the can attached to the gun, partially used cans can be reused for up to 30 days after the initial attachment to the gun.

### 6. What type of adhesive is it? (Poly, solvent, etc.)

- It is a 100% polyurethane resin adhesive that contains no fillers or solvents.

### 7. Does it contain VOC's?

- The VOC content of Soudal Soudabond Subfloor adhesive is:  
VOC: 190.1 g/L (26% wt.)





# FREQUENTLY ASKED QUESTIONS

## 8. Is Soudal Soudabond Subfloor adhesive compliant with the applicable VOC regulations?

- Yes. California Air Resources Board (CARB) has evaluated subfloor adhesives and determined that they fall within the same category as web spray adhesives. Soudal Soudabond Subfloor adhesive is below the 40% VOC limit for web spray adhesives as identified in the Table of Standards, section 94509(a) of the Consumer Products Regulation.

## 9. Will Soudal Soudabond Subfloor adhesive bond to floor joists that are wet or frozen?

- Yes. It can be installed on wet or frozen lumber.

## 10. Once I apply the adhesive, how long do I have to install the subfloor?

- 10 – 20 minutes.

## 11. How long does it take to fully cure?

- It takes 24 hours for Soudal Soudabond Subfloor adhesive to fully cure.

## 12. Can the applicator gun be cleaned out and reused?

- Yes, when cleaned with polyurethane foam adhesive cleaner. See the technical data sheet for more information on how to clean the adhesive gun.

## 13. Do I need to clean the gun every time I change cans?

- No. The inside of the gun only needs to be cleaned out with Soudal Gun & Foam polyurethane cleaner when you remove an adhesive can with no intention of immediately attaching a new full can. It is considered a good rule of thumb to fully clean the gun after each build or after about six cans of use.

## 14. Will the cleaner harm my skin if it touches me?

- No, the cleaner can be used to remove wet adhesive from skin but do wash hands with soap and water afterwards.

## 15. What safety equipment should be used when applying the adhesive?

- Eye protection should be worn during application.





# FREQUENTLY ASKED QUESTIONS

**16. What is the maximum storage temperature? Is it okay to keep a can of Soudal Soudabond Subfloor adhesive inside the cab of a vehicle on a hot day?**

- Do not expose to temperatures greater than 122°F. Do not store inside a vehicle on a hot day.

**17. Does it stick to all wood structural panels?**

- Yes, it bonds aggressively to wood, OSB, plywood and many other substrates.

**18. What should I do if the gun gets clogged?**

- Ensure flow control valve is open. Remove any cured residual adhesive from gun tip. Safely remove the adhesive can and clean gun in accordance with published installation instructions. If none of the above rectify the problem, the gun may have cured adhesive on the inside and need to be replaced.

**19. Can I come back later and install fasteners in the field of the panel after I complete overall floor panel installation?**

- All subfloor fasteners should be fully installed within 20 minutes of adhesive being applied to joists.

**20. When will Soudal Soudabond Subfloor adhesive start to skin over? Does the adhesive skin faster or slower in the summer/winter?**

- It has approximately 20 minutes of open time to fully install the subfloor panels. Some variations may occur due to environmental conditions, but 20 minutes is a safe window.

**21. What is the cure time?**

- Soudal Soudabond Subfloor adhesive has an open time of 20 minutes, an initial cure of 4 hours and reaches full cure in 24 hours.

**22. How many cans of adhesive gun cleaner do I need?**

- The amount of cleaner needed will vary based on usage and project size. A good rule of thumb is to have one can of cleaner for every six cans of adhesive.

