

# SONNEBORN® 400 ADHESIVE

Heavy-duty synthetic rubber subfloor adhesive

PRODUCT DATA

7 07200

**Thermal  
Protection**

## Description

Sonneborn® 400 Adhesive is heavy-duty, AFG-01-compliant synthetic-rubber-based subfloor adhesive. It increases contact areas on wood for stronger, stiffer, quieter floors.

## Yield

APPLIED AT 1/4" (6 MM) BEAD SIZE:

400 lineal ft / gallon (32.21 lineal m/L)

83 lineal ft (25 m) / 825 ml cartridge

30 lineal ft (9 m) / 300 ml cartridge

## Packaging

300 ml cartridges, 24 cartridges per carton

825 ml cartridges, 12 cartridges per carton

5 gallon (18.93 L) pails

## Color

Tan

## Shelf Life

1 year when properly stored

## Storage

Store in unopened containers in a cool, dry area out of direct sunlight. Sonneborn® 400 Adhesive remains flexible even when stored at freezing temperatures

## Features

- Reduced nailing
- Increased contact areas on wood
- Speedy installation

## Where to Use

### APPLICATION

- Bonding plywood subfloors to wood floor joists

### LOCATION

- Interior or exterior

## How to Apply

### Surface Preparation

Surfaces should be clean, dry, and free of dirt, sawdust, snow, mud, or other foreign materials that could adversely affect adhesion.

### Application

1. Follow all APA (American Plywood Association) standards and guidelines for application.
2. Apply 1/4" (6 mm) bead to center of joists. Where 2 panels butt, use 2 beads near edge of joist. Sills and blocking members should also be spread with adhesive.
3. On tongue and groove panels and all floor covering materials, follow manufacturer's instructions.
4. Mechanical fasteners are recommended in addition to the use of adhesive.

## Benefits

- Reduces material costs
- Produces stronger, stiffer, quieter floors; accommodates longer joist spans and narrower joists
- Reduces labor costs

## For Best Performance

- Keep away from heat and open flame.
- Be careful not to smear adhesive beads.
- Do not apply at temperatures below 10° F (-12° C).
- Limit use to industrial applications. Sonneborn® 400 Adhesive is not intended for residential use.
- Heating Ventilation Air Conditioning (HVAC) units may draw solvent vapors into occupied building interiors. Solvent vapors can be irritating to people unaccustomed to the odor. Do not apply Sonneborn® 400 Adhesive in or around buildings occupied by nonconstruction personnel without consulting building management.
- Use only with adequate ventilation and with a minimum of 6 air changes per hour.
- If Sonneborn® 400 Adhesive is applied in or near areas containing foodstuffs, remove the foodstuffs before application and until the Sonneborn® 400 Adhesive has fully dried and all solvent vapors have dissipated.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by Degussa personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

**Sonneborn®**

## Technical Data

### Composition

Sonneborn® 400 Adhesive is a solvent-based synthetic-rubber adhesive.

### Compliances

- American Plywood Association Specification AFG-01, Adhesive for Gluing Plywood to Wood Framing
- ASTM D 3498
- FHA Bulletin UM-60

### Typical Properties

PROPERTY	VALUE
<b>Base</b>	Synthetic-rubber resin
<b>Viscosity</b>	Medium paste
<b>Application</b>	Caulking gun or power pump
<b>Open time, min</b>	Up to 15
<b>Solids, %</b>	65
<b>Storage</b>	Nonfreezing
<b>Flammability Ratings</b>	
Labeling	Flash point below 0° F, extremely flammable
Transportation	UN1133 adhesive containing a flammable liquid
<b>Service temperature range, ° F (° C)</b>	Up to 190 (88)

Test results are typical values obtained under laboratory conditions. Reasonable variations can be expected.

## Health and Safety

SONNEBORN® 400 ADHESIVE

### Warning

Sonneborn® 400 Adhesive contains toluene, silicon dioxide, n-hexane, calcium carbonate, and precipitated silica.

### Risks

Flammable liquid and vapor. May cause skin and eye irritation. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. Contains n-hexane which can cause peripheral polyneuropathy and central nerve damage. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

### Precautions

KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. DO NOT take internally. Avoid breathing vapors. Use impervious gloves, eye protection and if the TLV is exceeded or product is used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

### First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

### Proposition 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

### VOC Content

3.1 lbs/gal or 373 g/L, less water and exempt solvents.

**For medical emergencies only, call ChemTrec (1-800-424-9300).**

## Degussa Building Systems

889 Valley Park Drive  
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www.degussabuildingsystems.com

**Customer Service** 800-433-9517

**Technical Service** 800-243-6739

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