

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
Base	Synthetic-rubber resin
Viscosity	Medium paste
Application	Caulking gun or power pump
Open time, min	Up to 15
Solids, %	65
Storage	Nonfreezing
Flammability Ratings	
Labeling	Flash point below 0° F, extremely flammable
Transportation	UN1133 adhesive containing a flammable liquid
Service temperature range, ° F (° C)	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
Shakopee, MN, 55379

www.degussabuildingsystems.com

Customer Service 800-433-9517

Technical Service 800-243-6739

LIMITED WARRANTY NOTICE Every reasonable effort is made to apply Degussa exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Degussa MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and Degussa shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Degussa Technical Manager.

This information and all further technical advice are based on Degussa's present knowledge and experience. However, Degussa assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Degussa disclaims all WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. DEGUSSA SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Degussa reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

For professional use only. Not for sale to or use by the general public.

Form No. 1017969 9/03 (Replaces 1/02)
Printed on recycled paper including 10% post-consumer fiber.

© 2003 Degussa
Printed in U.S.A.