SMP920

POLYMER WOOD FLOORING ADHESIVE

STAUF
ADHESIVES SINCE 1828

PRODUCT DESCRIPTION

STAUF SMP-920 Superior is an advanced formula polymer designed for professional wood flooring installation. It replaces isocyanate-containing urethane adhesives. It is ozone and environmentally safe since it contains no solvents or hazardous materials.

SMP-920 has earned the highest GEV-EMICODE EC 1 ranking by the European Association for Control of Emissions for Flooring. See www.emicode.com for information. Because there is no water or solvent present, it will not cause dimensional changes to wood flooring. This adhesive is waterproof when fully cured and will not emulsify if it gets wet.

SMP-920 spreads easily and has a non-slump formula that will help insure contact and adhesive transfer. It allows fast installation even with complicated patterns due to its strong green grab and no flash time requirement. Rolling is neither required nor recommended. It offers superior flexibility and is designed to secure flooring, yet allow for normal movement during seasonal changes.

PRODUCT FEATURES

General Features:
- LEED qualified
- Contains no isocyanates
- High shear strength
- Contains no solvents
- Contains no VOC
- Certified "green"
- Certified "very low emission"
- Nonflammable
- High solids content
- Ozone friendly
- Freeze/thaw stable

Installation Features:
- Wet lay - no flash time required
- Strong green grab
- Non-slump formula
- Bridges normal subfloor variations
- Very low odor
- Cleans with acetone
- No rolling required
- Long open time
- Spreads easily
- Higher temp & RH shorten drying time
- No risk of sensitization

Long Term Features:
- Resistant against aging
- Remains elastic
- Suitable for radiant heat systems with primer
- Allows normal dimensional changes in wood flooring
- Waterproof when cured
- No health hazards
- Strong shear strength reduces cupping

OPEN TIME

	30% R/H	50% R/H	80% R/H
50°F/10°C	2 hr.	1.5 hr.	1 hr.
70°F/21°C	1.25 hr.	1 hr.	45 min.
90°F/32°C	1 hr.	50 min.	40 min.

PRODUCT USAGE

Approved Flooring:
- Engineered Wood
- Parquet

Approved Subfloors:
- Concrete Slabs
- OSB (underlayment grade)
- Plywood (underlayment grade)
- Ceramic Tiles
- Stone, Terrazzo
- Cured Leveling Compounds
- Radiant Heated Subfloors
- Wet Concrete Slab up to 25#/24hrs/1,000SF and 100% RH

Approved Primers:
- Not normally required
- STAUF AQP-200 Eco-Prime

Approved Sealers:
- STAUF ACS-210 True-Seal
- STAUF VPU-155 S Urethane Sealer

Approved Leveling Compounds:
- STAUF ULC-500 Universal Leveling Compound
- STAUF SLC-540 Self Leveling Compound
- STAUF QFF-560 Quick Feather Float
- STAUF RLC-580 Fiber Level

Approved Trowels:
- Engineered Floors-#5 (3/16 x 1/4 x 3/8 in) up to 60 SF/gal.
- Moisture Barrier-#12: up to 35 SF/gal. (Must use one per pail)
- Underlayments-#15 (3/32 x 3/32 x 3/32 in) up to 130 SF/gal.

Packaging Size:
- 3 gal. Plastic Pail
- 48 per pallet

Shelf Life:
- 12 months in original, unopened container

SMP 920

INSTALLATION PROCEDURE

Pre-Installation Checklist:
A successful installation requires proper preparation of the subfloor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturer's recommendations for subfloor moisture content, design, layout, and application of flooring materials. Backing of all flooring material must be solid and sound and free of any anti-adherents. All slab constructions must meet the specific requirements of the floor covering to be installed.

Subfloor Examination:
Prior to installation, the subfloor must be checked according to NWFA installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations, and anti-adherents, as well as resistant to pressure and tension. The moisture content of all floors must be measured before installation.

No moisture testing is required for installation of engineered wood floor in new construction as long as a new STAUF #12 clip-on blade is used for every pail, there is 100% coverage of the adhesive on the subfloor, the spread rate does not exceed 35 SF/gal and concrete floors are at least 30 days old.

The following conditions MAY NOT be present: Hydrostatic pressure, Excessive vapor emissions, Missing or compromised vapor barrier, Standing water or visible dampness, Uneven and/or unapproved subfloor materials, Improper substrate preparation, Excessive exterior water (damaged water pipes, sinks, icemakers, faulty plumbing, flooding, etc.), Excessive topical moisture, improper ventilation or conditioning, or faulty maintenance of flooring, Use of Adhesives as a moisture control system below grade.

All wood floors should have 6-9% moisture content at installation. There should be no more than a 4-5% variance in moisture content between the wood flooring and any wood subfloor. See NWFA guidelines and the wood flooring manufacturer's recommendations for details.

Subfloor Preparation:
Depending on the type and condition of the subfloor, a mechanical treatment (e.g. mechanical brushing, grinding, or sanding) may be required. The intensity of such work must be determined at the site by the installer. Dust, paint, residual adhesives, or other surface contaminants must be removed by suitable means. Cleaning the surface with an industrial vacuum cleaner is recommended. Cracks and gaps must be filled with concrete crack filler unless they are expansion joints. Level when necessary to 3/16 inches within 10 feet. Heated subfloors, gypcrete, wooden subfloors, levelers, patches, and lightweight concrete must be primed. Fast curing cementitious leveling or patching compounds might reduce the flash and work time of water-based products due to absorption.

Installation:
Spread the adhesive with the appropriate notched trowel. Avoid excessive adhesive thickness by passing the trowel evenly through the adhesive at a 45° angle. There is no flash time, so installation should begin immediately. Lay the flooring into the adhesive, correctly position it and press down firmly. Rolling is neither required nor recommended. Be sure to check the boards at regular intervals to confirm a good adhesive transfer from subfloor to flooring is achieved. Bowed boards or boards over low spots should be weighted down until the adhesive cures.

LIMITATIONS

When using other than STAUF products in conjunction with STAUF primers, sealers, leveling compounds, or adhesives, STAUF denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAUF.

This adhesive is mold and mildew resistant and waterproof when fully cured and will not dissolve if it gets wet. However, it will not prevent moisture-related damages to wood flooring unless it is used as a moisture barrier (if applicable) within the limitations outlined in the Technical Data Sheet.

- Do not install solid wood below grade.
- Do not use on concrete with curing agents or sealers.
- Do not install wood flooring with moisture reading above 9%.
- Do not use adhesive as a leveling material.

This adhesive will not prevent moisture-related damages to wood flooring caused by flooding, busted pipes, etc., or where moisture conditions are in excess of limitations outlined under Subfloor Examination.

ADHESIVE PROPERTIES

Cure Time until Normal Traffic:
- Between 24 - 48 hours

Clean-up:
- If Wet: Use acetone
- If Dried: Use a plastic scraper and terry cloth

Temperature Range During Installation:
- 50-90°F (10-32°C)

Relative Humidity Range During Installation:
- 30-80%

Packaging Size
3 gal. Plastic Pail
48 per pallet

Color:
- Cream

Shear Strength:
- 229 psi (1.6N/mm^2)

USAGE & ACCIDENT INFORMATION

Please refer to our Technical Data Sheet and Safety Data Sheet for information on our website at www.staufusa.com.

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