

SOLVA-MASTIC® WFR930

STAUF®

FLOORING ADHESIVES USA

ALCOHOL BASED WOOD FLOOR ADHESIVE

CONTAINS NO WATER, NO CHLORINATED SOLVENTS, NO ISOCYANATES

U.S. PATENT 7,179,088 B2

PRODUCT DESCRIPTION

STAUF WFR-930 Solva-Mastic is an alcohol based, high-strength adhesive for professional wood flooring installation. It contains no chlorinated solvents or other materials harmful to one's health. It is ozone and environmentally safe.

WFR-930 spreads easily. It has a non-slump formula that will help insure contact and adhesive transfer because the ridges will bridge normal gaps between flooring and sub floor. It allows fast installation even with complicated patterns due to its strong green grab. There is no flash time required, so installation can commence immediately.

WFR-930 is designed to keep the flooring in place, yet allow for normal movement during seasonal changes to the wood flooring.

PRODUCT FEATURES

General Features:

- Contains no isocyanates to etch floor's finish
- Contains no water
- Contains no chlorinated solvents
- Flammable
- Ozone friendly
- Alcohol base for performance
- Freeze/thaw stable

Installation Features:

- Wet lay - no flash time required
- Superior green grab
- Non-slump formula
- Bridges normal sub floor variations
- Eliminates hollow spots
- Pleasant odor
- Cleans with acetone or mineral spirits
- No rolling required
- High spread rate
- Spreads easily
- Dries quickly

Long Term Features:

- Resistant against aging
- Remains elastic
- Suitable for radiant heat systems with primer

Packaging Size:

- 4 Gallon metal pail
- 1 Gallon metal pail

PRODUCT USAGE

Approved Flooring:

- Engineered Flooring
- Strip Flooring, 1/2" to 3/4"
- Shorts, 1/2" to 3/4"
- Planks, 1/2" to 3/4", up to 3" x 36"
- Parquet, Engineered and Solid
- Solid Wood Flooring must be straight and flat
- Bamboo not approved

Suitable Primers:

- STAUF SOP-230 SOLVA-PRIME

Approved Sub Floors:

- Concrete slabs
- OSB (underlayment grade)
- Plywood (underlayment grade)
- Particle or Chipboard (underlayment grade)
- Old floors with adhesive residues, sanded
- Cured Leveling Compounds
- Radiant heated sub floors

Suitable Sealers:

- STAUF ACS-210 TRUE-SEAL

Approved Trowels:

Engineered Floors:

- Trowel #5 up to 60 SF/gal

Solid Floors:

- Trowel #4 up to 50 SF/gal

Parquet (solid or engineered):

- Trowel #3 up to 70 SF/gal

Underlayments:

- Trowel #15 up to 100 SF/gal (see back for trowel specs)

Shelf Life:

- 12 months in original, unopened container



OPEN TIME

	+50 °F	+70 °F	+90 °F
30% Humidity	25 mins.	23 mins.	20 mins.
50% Humidity	35 mins.	30 mins.	25 mins.
80% Humidity	40 mins.	35 mins.	30 mins.



**NO HOLLOW SPOTS,
QUICK GRAB
REDUCES SLIPPING**

SOLVA-MASTIC® WFR930



INSTALLATION PROCEDURE

Pre-Installation Checklist:

A successful installation requires proper preparation of the sub floor. Read and understand all applicable guidelines and technical data sheets before beginning installation. Follow industry standards and flooring manufacturer's recommendations for sub floor moisture content, design, layout and application of flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

Sub Floor Examination:

Prior to proceeding, the sub floor must be checked according to NWFA installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations and antiadherents as well as resistant to pressure and tension.

Moisture content of all floors must be measured before installation. Moisture content in concrete sub floors must be below 3#/24hrs/1,000 sq. ft. using the Calcium Chloride Test or below 75% RH using an *in-situ* probe. 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 sub floor. See NWFA guidelines and the wood flooring manufacturer's recommendations for details.

Sub Floor Preparation:

Depending on type and condition of subfloor, a mechanical treatment (e.g. mechanical brushing, grinding, or sanding) is required. Intensity of such work must be determined at the site by the installer. Dust, paint, residual adhesives or other surface pollution must be removed by suitable means. We recommend cleaning the surface with an industrial vacuum cleaner. Cracks and gaps must be filled with concrete crack filler, unless they are expansion joints. Level when necessary to 3/16" within 10'. Heated sub floors must be primed.

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 make certain good adhesive transfer from floor to flooring is accomplished.

USAGE & ACCIDENT INFORMATION

Please refer to our technical data sheet and MSDS for updated information. See website at www.staufusa.com.

LIMITATIONS

When using other than Stauf products in combination with Stauf adhesives, we deny any and all responsibility for any ensuing problems and/or damages without prior written permission from Stauf.

- Do not install solid wood below grade.
- Do not use on concrete with curing agents or sealers except Stauf ACS-210 or Stauf ERP-270.
- Do not use on damp sub floors.
- Do not install wood flooring with moisture reading above 9%.
- Do not use as leveling material. This adhesive will not prevent moisture-related damages to wood flooring.

ADHESIVE PROPERTIES

Cure Time until Normal Traffic

- between 48 and 72 hours

Clean-up

- Use acetone or mineral spirits while wet or dried
- Will not etch floor finish

Temperature Range During Installation

- 50° - 90°F

Relative Humidity Range During Installation

- 30% - 80%

Weight (lbs./gal.)

- 12.6

Color

- Beige

Shear Strength

- 682 psi (4.7 N/mm²)

VOC (calculated):

- 90 g/L

pH Value of Concrete:

- must be below 12.4

TROWEL SPECIFICATIONS

Depth x Width x Distance

- Trowel #3: flat-V notch 5/32" x 1/8" x 3/16"
- Trowel #4: flat-V notch 1/4" x 7/32" x 9/32"
- Trowel #5: flat-V notch 3/16" x 1/4" x 3/8"
- Trowel #15: flat-V notch 3/32" x 3/32" x 3/32"

STORAGE & TRANSPORT

Place lid on pail tightly. Store pail in cool dry place. Observe official regulations on storage and handling of flammable liquids (red label). DOT Class 3 Hazmat UN 1133 Adhesives

