



Today, EMICODE ratings have become the standard throughout the environmentally demanding European business community. Flooring installation materials labeled with EMICODE EC1 "very low emission" offer the greatest possible safety standards for indoor air pollution.

In fact, EMICODE EC1 is supported by the German Ministry for the Environment, and is recognized in the flooring products industry for having the most strenuous international environmental standards for GREEN designation related to the control of emissions.

Stauf Adhesives, a 180-year old German-based company, has been concerned about the environment as well as the welfare of its workers and customers for generations. Stauf is proud that its products meet the highest standard (EC1) for integrated consumer and environmental protection.

Stauf Adhesives faces the future with a confidence gained after nearly two centuries of innovation and excellence. Those who use Stauf products can share in that confidence.

In addition to proven products that bond securely and permanently while protecting against moisture and sound, Stauf also protects the planet. Our timber flooring adhesives meet the highest world standards for both consumer and environmental protection. In our nearly 200-year-old history, it's one of our proudest accomplishments.



CERTIFIED GREEN

Certified Green by the strictest environmental codes - Stauf 950 and 960 will do its part to protect the planet.

It is no wonder why the best installers recommend Stauf Adhesives.



Stauf Adhesives: Leading the industry in Timber Flooring Adhesive technology.

Every Stauf Adhesive is **certified "green"** by the European environmental agency GEV, with the exception of Solva-Mastic WFR-930. It has an alcohol base, but does not contain or emit ozone depleting ingredients. It is VOC compliant.

Stauf produces a complete line of **Primers** for preparing sub floors to grab adhesives more strongly. They include water, alcohol and urethane based primer products to match those adhesive types.

Stauf produces two **Sealer** products which are guaranteed to reduce sub floor moisture contents to 3#, even when the moisture content measured in the slab is 8# and up to 18#. Neither product contains any water, solvents or VOC's.

Stauf Notched **Trowels** serve as the perfect measuring devices to ensure the spread rate is accurate. Stauf has a complete line for parquet, solid and engineered floors, as well as a unique trowel for use with SMP-960 One-Step Adhesive.

Other timber floor adhesives waste time and effort because they don't include barriers to protect against moisture and sound in one step. So you have to spread the glue, then the underlayment, wait for it to cure, then come back a day later and spread adhesive again before putting down the floor. Stauf gets it done in one easy step. It's all part of our formula. Plus there's no water, solvents, or isocyanates. So it won't damage the timber and it cleans easily without etching the surface.

For innovative Polymer Adhesive technology that saves time and money and materials, there's only one. Stauf One-Step SMP-960. No wonder so many installers stick with Stauf.



CHOOSING THE CORRECT ADHESIVE

Stauf produces a complete line of timber flooring adhesive products. They include adhesives having bases common in the industry (water, urethane) and two unique adhesives, one that uses a highly desired reformulated alcohol base and the other which uses the newest, "5th Generation" of adhesive ingredients - polymers. There is a Stauf adhesive available for every floor and every timber flooring product.

**Choose the
right adhesive.**

POWER-MASTIC®
PUM950

URETHANE BASED

ONE-STEP®
SMP960

MS POLYMER BASED

WHY USE STAUF ADHESIVE?



- Moisture barrier up to 85% RH
- No Isocyanates
- Highest Ure. Shear
- Certified "green"
- Won't etch finish
- Non-Flammable
- No solvents, VOC's
- Cleans- Mineral Spirits
- Anti-microbial
- Up to 23m² per drum
- Earns LEED points

- One step application
- Stops sound, moisture
- Certified "green"
- Won't etch finish
- Non-Flammable
- No solvents, VOC's
- Cleans- Mineral Spirits
- Anti-microbial
- Up to 10m² per drum
- Earns LEED points

SOLID FLOORING:

12mm Solid Strip Flooring or thinner*

YES

YES

13mm-19mm Solid Strip* & Shorts < 900mm

YES

YES

13-19mm Solid Plank*

Any Width

Any Width

* Straight Line Ripped

ENGINEERED FLOORING:

10mm-21mm Thick Planks

Any Width

Any Width

Bamboo (except Solid / Engineered Strand Woven)

YES

YES

TYPE OF SUB FLOOR?

Concrete*

YES

YES

Exterior grade plywood or particle board

YES

YES

Exterior grade particle board or OSB

YES

YES

Cured cement based levelers

YES

YES

Radiant heated systems (requires Primer)

YES

YES

Stone*, Terrazzo*, Marble* and Ceramic Tile*

*Any non-porous surface layers must be abraded.

SPREAD RATES:

Adhesive only - up to 23m² per drum

Up to 10m² per drum

* Spread rates will vary on type of sub floor.

**Moisture barrier & Adhesive - up to
11m² per drum**

SHEAR STRENGTH:

2.7Nm m²

2.5Nm m²

PREPARATION MATERIALS

STAUF NOTCHED TROWELS

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FOR INSTALLATION OF ENGINEERED
TIMBER FLOORING

Depth 5mm, width 6mm,
arc width 10mm
(up to 1.5 m²/L)



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FOR INSTALLATION OF
ONE-STEP SMP-960 AND PUM-950
AS A MOISTURE BARRIER

Depth 4mm, width 3.5mm,
arc width 5mm
(up to 1 m²/L)



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FOR SPREADING POWER-MASTIC
PUM-950 ONLY

Depth 5mm, width 6mm,
arc width 14mm
(up to 2.1 m²/L)



STAUF FLOOR ADHESIVE



POWER-MASTIC[®]
PUM 950



STAUF PUM-950 Power-Mastic provides a tremendous improvement for urethane adhesives. It is a urethane based, high strength adhesive for professional timber flooring installation. But unlike other urethane adhesives, it contains no isocyanates, the primary chemical in other urethane adhesives that will etch fine floor finishes and is a suspected carcinogen. Applied using the #12 trowel, PUM-950 is now a 2-in-1 adhesive and moisture barrier.

SUITABLE SUB FLOORS

Use On These Sub Floors (See p8 for code):



ONE-STEP[®]
SMP 960



STAUF SMP-960 One-Step is an advanced formula, unique polymer 3-in-1 adhesive designed for professional wood flooring installation. It provides moisture and sound barrier and adhesive all in one.

SUITABLE SUB FLOORS

Use On These Sub Floors (See p8 for code):



ACCEPTABLE SUB FLOOR TYPES



Ceramic

CER



Levelling Compounds
(Cured, Cement Based)

LEV



Particle or Chipboard
(underlayment grade)

PAR



Terrazzo

TER



Concrete

CON



Old Floors to
be Renovated



Plywood
(exterior grade)

PLY



Vinyl,
Well-bonded

VIN



Radiant-heated
Sub Floors

HEAT



OSB
(underlayment grade)

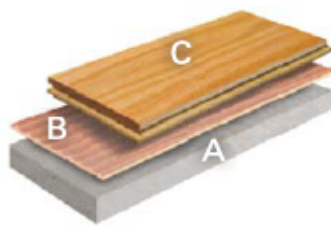
OSB



Stone

STO

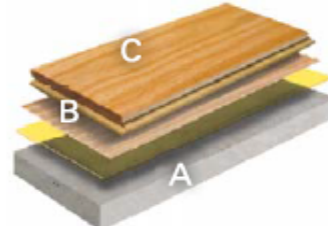
STAUF SOLUTIONS TO DIRECT ADHERE TO CONCRETE SLABS



A - Damp Sub Floor
Moisture Range:
up to 90% (RH)

B - ONE-STEP SMP-960
Applied with #12 Trowel
One Trowel Per Pail

C - Timber Flooring



A - Damp Sub Floor
Moisture Range:
up to 80% (RH)

B - Choice of PUM-950
Applied with #5,12 or
14 trowel

C - Timber Flooring

FAQs

Q: How does Stauf Adhesives moisture barrier compare to industry standards?

A: A moisture barrier is designed to reduce vapour moving from the substrate through to the timber flooring. Industry practice require the barrier to reduce vapour transfer to a maximum of 15gms per m² / 24 hours. Stauf 950 reduces this transfer down to 0.15gms per m² / 24 hours (10% of industry standards) Stauf 960 reduce vapour to 0.11gms per m² / 24 hours.

Q: What is the standard required for Acoustic ratings in apartments and is Stauf 960 able to meet or exceed this requirement?

A: The BCA requires a range of no more than 62DB for floors supporting dwellings. Stauf 960 delivers a result of 45DB on a 200mm thick slab with a plasterboard ceiling below. Go to www.stauf.com.au to download the full test report.

Q: Can I pin through Stauf 950 or 960 to hold down the timber during installation? Will this affect the moisture barrier or acoustic rating?

A: You can pin the floor if you require moisture barrier – the pin will not affect the moisture protection. Also, you can remove the pins with no effect. You can pin the floor up to a maximum of 10 pins per m². However you cannot pin the floor if you require acoustic ratings – the pin will connect the timber to the slab and therefore transfer the noise direct to the slab.

Q: Do I require a special levelling compound for Stauf adhesives?

A: No – you can use any reputable levelling compound underneath Stauf Adhesives.

Q: What is the spread rate using 950 as a moisture barrier?

A: Up to 11m² per drum.