

## Product

Seal-it® 345 FLOOR-BOND is a high-quality, fast-curing, solvent-free floor and parquet adhesive that is based on hybrid technology and moisture-cures into a durable rubber that retains its elasticity.



## Applications

- Adhere wooden subfloors, such as mosaic and chipboard tiles.
- Adhere wooden floor parts, such as laminate, solid boards, mosaic, lamellar and multi-layer parquet.
- Adhere PVC floor parts to porous or non-porous surfaces.
- Adhere Volkern and cement-bonded panels.
- Adhere carpet to porous or non-porous surfaces, such as concrete, cement, anhydrite, wood, chipboard, boards, HPL, plastic, metal, etc.
- Waterproof full-surface adhesion between a variety of building material combinations.

## Properties

- Fast-curing, ready-mixed, hybrid flooring and parquet adhesive that retains its elasticity.
- Excellent adhesion and working properties, easy to comb and adjust.
- Thixotropic/paste-like flow, no sagging, good viscosity.
- For use indoors and outdoors, in humid rooms and in combination with floor heating.
- Anhydrous, to prevent expansion of wood/floor parts.
- Absorbs acoustic and mechanical vibrations well.
- Free of solvents, isocyanate and silicone.
- Odourless, bubble-free and non-shrink curing hybrid system.
- Good mechanical resistance, movement capacity and tensile strength.
- Non-corrosive to metals.
- Prevents contamination of the hands.
- Good resistance to water, moisture and ageing.

## Standard product line

Colour	20kg PE bucket
Natural (light oak)	SI-345-1194-150

Other packaging on request.

## Technical product data

<b>Base</b>			HYBRID
<b>Density</b>	g/ml		1.50
<b>Open time</b>	min.	23°C/55% RH	20
<b>Working time</b>	mm	23°C/55% RH	10
<b>Consumption</b>	m <sup>2</sup> /kg		0.9-1.4
<b>Temperature resistance once fully cured</b>	°C		-40/+100
<b>Mechanical values</b>		2mm film	
<b>Shore A hardness</b>		DIN 53505	48
<b>Modulus at 100%</b>	MPa	DIN 53504	1.10
<b>Tensile strength</b>	MPa	DIN 53504	1.40
<b>Shear strength (wood/wood)</b>	n/mm <sup>2</sup>	EN 14293	1.50
<b>Stretch at breaking point</b>	%	DIN 53504	250



## Shelf life

In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 12 months after the production date.

## Application conditions

- Application temperature (ambient and surface) between +5°C and +40°C.
- Max. moisture content of 2% for the surface and 12% for the wooden parts.
- On compatible, flat, firm, clean, uncontaminated, dust-free and grease-free surfaces, conduct an adhesion test in advance.
- Properly degrease greasy wood types using Seal-it® 510 CLEANER.
- Use a suitable brush to remove any loose particles from the surface.
- Not suitable for adhesion on old paint, varnish or adhesive residues or old surface residues: before applying Seal-it® 345 FLOOR-BOND, remove these completely using a sander/sandpaper.
- Consumption of approx. 1 to 1.2 kg per m<sup>2</sup>, depending on absorption, the surface and the spreader type.
- Use a notched spreader to apply Seal-it® 345 FLOOR-BOND to the surface, then apply parquet parts at the correct locations and press them well and evenly into the adhesive.
- Optimal adhesion is achieved with a 2mm adhesive coat after pressing.
- The open time is approx. 20 minutes, depending on the surface and humidity.
- If the parquet tension is too high, then after laying, hold the parquet in place with some heavy objects during the set time.
- Do not exceed the first 6-8 hours after bonding or apply other loads to it.
- Be mindful of the expansion of wood on adjacent building components.
- Do not sand or paint the parquet for 48 hours.

### Important

Working times are based on +20°C and 65% relative humidity. The adhesive needs moisture to cure: lack of moisture will slow the curing process. For this reason, you must humidify spaces with subfloors without moisture or with low humidity (such as in the winter). During bonding, ensure that the subfloor, adhesive, parquet and workspace are at the same temperature. Therefore, in cold weather, both the parquet and the adhesive must be acclimated beforehand in the workspace. The wood moisture of the components must be between 8% and 15%, with a maximum deviation of 4% within the same component.



### Cleaning

Remove fresh/uncured material from surfaces and tools using Seal-it® 510 CLEANER. Clean hands/skin with Seal-it® 515 ULTRA-WIPES. Cured material must be removed mechanically.

### Health & safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. The product safety data sheet is available on request.

### Warranty & liability

Connect Products BV guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.