



# UNICOAT

## Water-repellent coating technology

**Worry-free  
waterproof flooring**

The Unicoat water-repellent coating for flooring **prevents liquids from penetrating into the joints of a floor** and protects a floor from any long-lasting water damages. The coating which is applied on the edges of the flooring board, forms **the ultimate protection against water leakages and prevents damages and nuisances** seen in floors when having been exposed to excessive amounts of water over a long period of time.

The application of this coating will **upgrade the water-resistant properties of a floor enormously** ensuring that floors last longer, even under intensive use.

## How does it work?

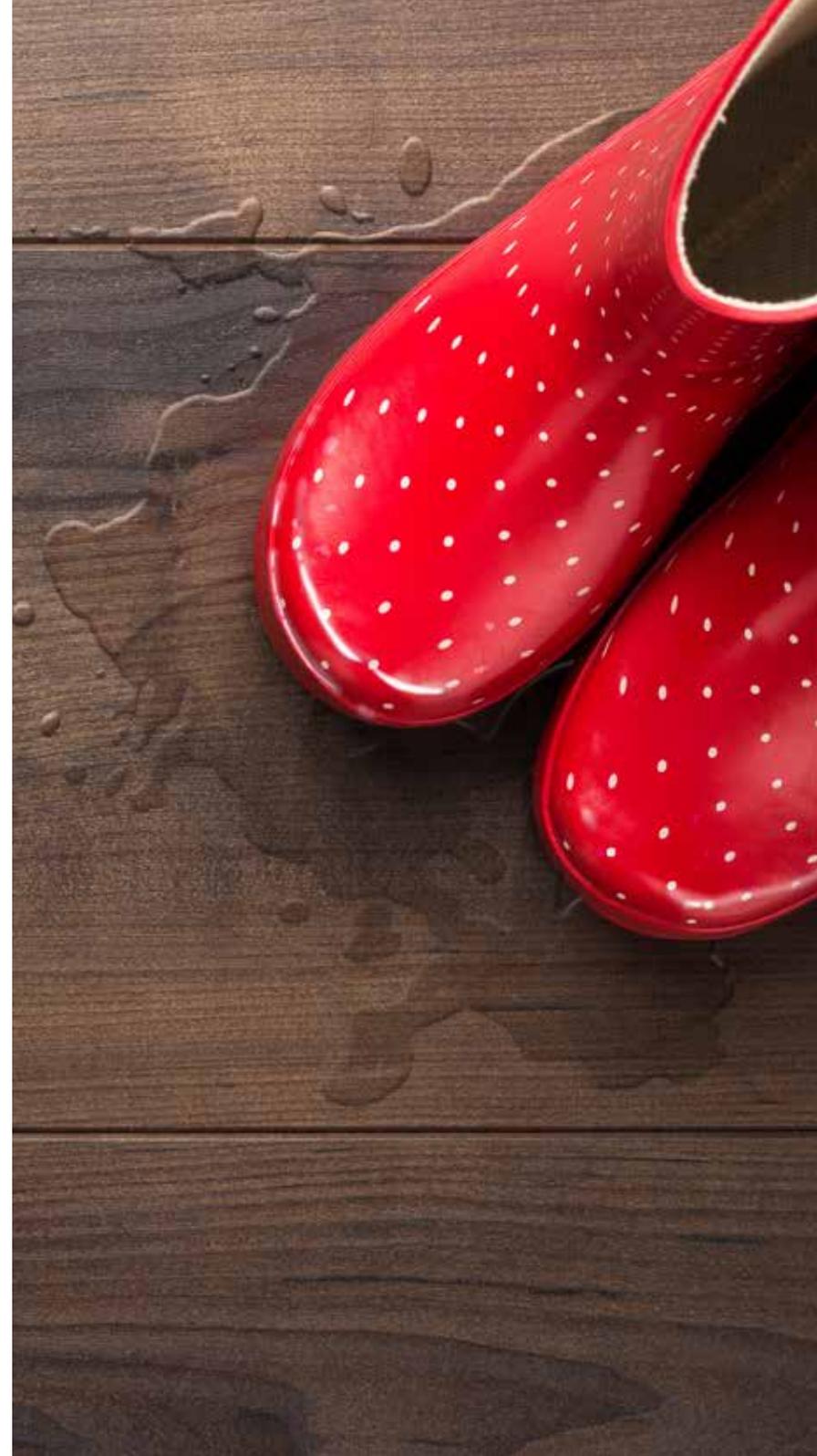
The patented Unicoat technology has a double purpose:

1. The coating will **prevent water from penetrating in between the joints** of two flooring panels. The surface of the floor is thus truly sealed, which prevents the presence of standing water underneath the floor covering which could potentially cause mold.
2. The coating will act to **prevent swelling of the material of the wood-based core**, say HDF, by forming a shielding layer minimizing its moisture absorptive nature. No swelling means no pushed-up edges, nor the resulting premature wear at the upper surface.

The coating is applied during the production process in such a way that a sealed surface is obtained when the panels are locked together. The coating is applied to an otherwise unchanged wood-based core board, which makes this technology a very cost-effective way to obtain high-quality waterproof features in floors.

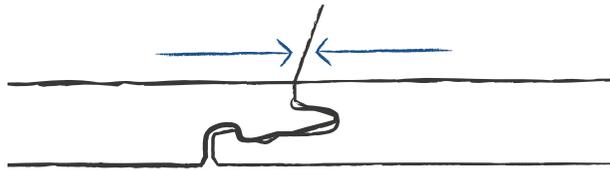
The Unicoat technology is developed by Unilin and has already been introduced to the market as **HydroSeal technology** on many of the Quick-Step, Pergo and Mohawk product ranges, which are widely recognized as top-of class performers in terms of waterproof properties in the industry.

The Unicoat waterproof coating is **designed to repel water away from the joints, such that any moisture is trapped on the surface of the floor**, where it can evaporate or easily be cleaned off. The result is a worry-proof flooring with fewer consumer claims. On top of that the sealed surface of the floor also means that wet cleaning the floor becomes easier than ever. Bacteria, dirt, and liquids can easily be wiped off with a damp cloth, leaving a clean, dry and hygienic surface without damage to the floor.

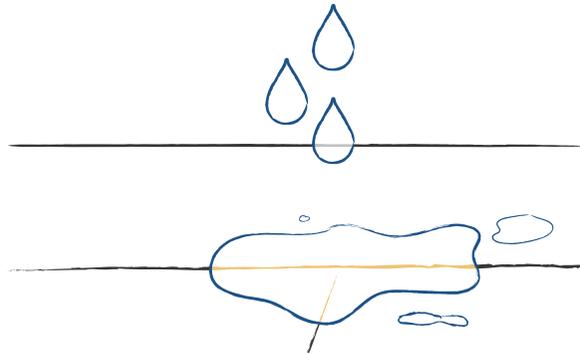


# Technologies to make a floor waterproof

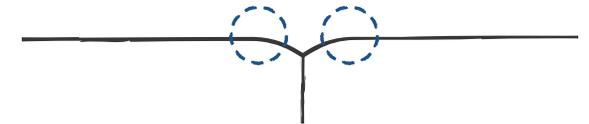
Consumers are expecting the next generation of **floors to be fully waterproof and worry-free**. This is what Unilin Technologies offers from a technology perspective:



1. **A locking system with the right amount of pretension** that will close any unwanted gaps between planks.



2. The Unicoat that will **prevent water to get between the joints** of the flooring panels and ultimately underneath the floor.



3. **A pressed bevel** that eliminates some of the vulnerabilities of floors regarding to water. With this technology the ultimate waterproof laminate floor can be created that goes further than any standard in the industry today.

# How waterproof laminate is tested at Unilin Technologies:

## ✓ NALFA test



A cylinder with water is placed on the T-joint of a floor. Afterwards the swelling of the material is measured by a measurement device. This test is used to **determine the long-lasting swelling damages** on laminate and other wood-based flooring products. The NALFA test **doesn't measure the watertightness or sealing capacity** of a floor.

Unicoat exceeds the highest standards in the industry for this test. Even when performed over a **testing period of 72 or 100 hours**.

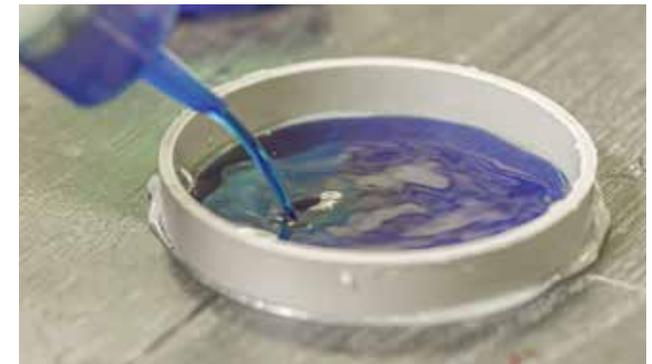
## ✓ Wet mop test



Internal test to simulate wet cleaning. Several mops that are infused with water and a lot of soap (5 times the standard amount), are put on top of a laminate floor with a dampscreen on top to prevent evaporation. This test **determines water leakages between the joints and damages, like swollen edges**.

Unicoat flooring products succeed in **reducing swollen edges over longer periods of time**.

## ✓ Cylinder test without leaks



Similar to the NALFA test. A cylinder with colored water is placed on the T-joint of a laminate floor. A white paper underneath the floor or a camera detects any water that seeps through the joint. This test **determines water leakages between the joints**.

Unicoat has proven to **prevent leakages up to 100 hours and above**.

**Interested in this innovative technology? Contact us to become a licensed partner!**

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