



UNICOAT®
PATENTED TECHNOLOGY

**WATER-REPELLENT
COATING TECHNOLOGY**

Unicoat water-repellent edge-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.

COATING TECHNOLOGY WITH A TRIPLE PURPOSE

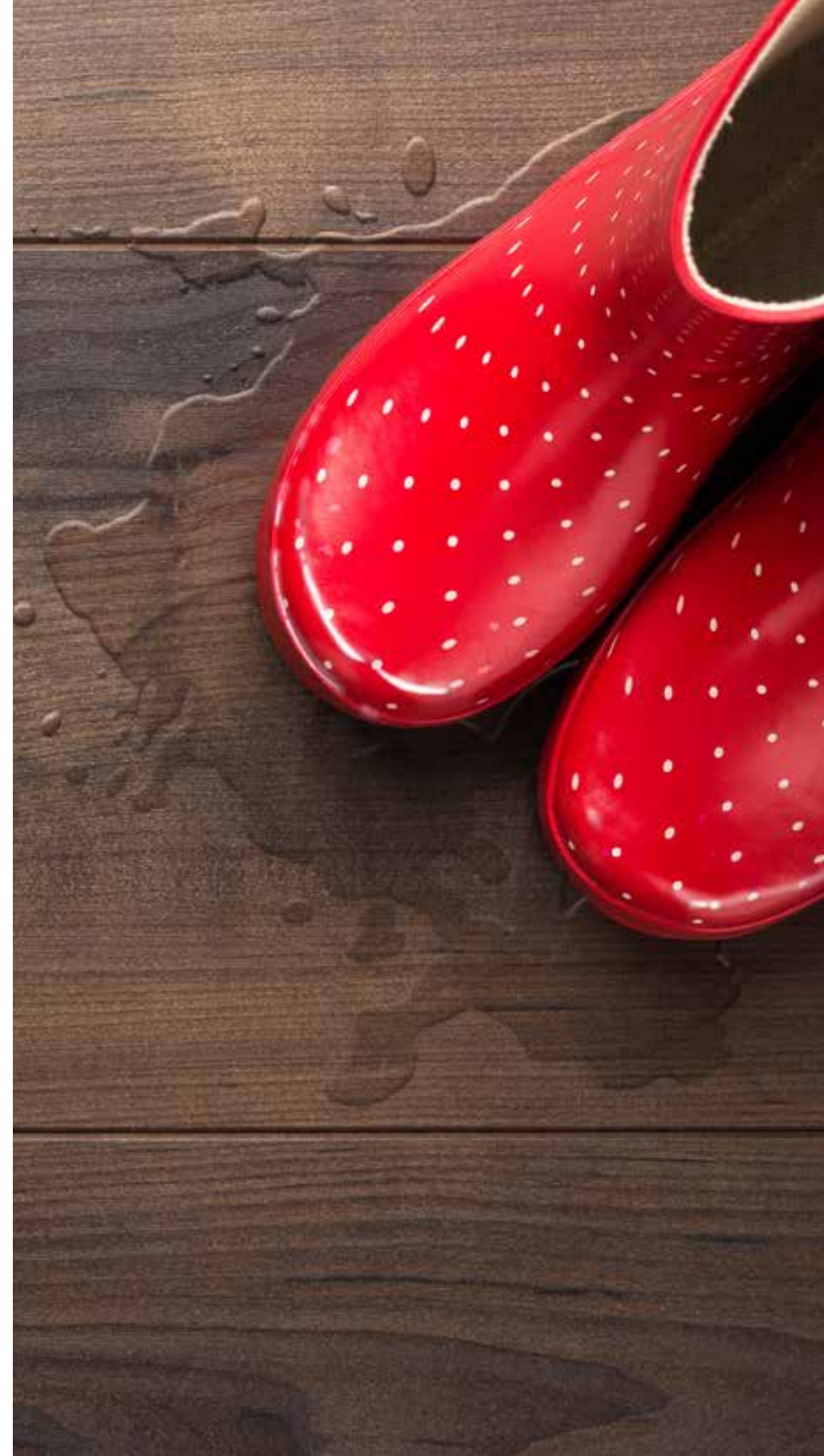
The patented Unicoat technology serves a triple purpose:

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.
3. Unicoat **prevents discoloration of the short side of the wood top layer**. The shielding layer minimizes the moisture absorptive nature of wooden toplayers. No discolored edges of the upper surface.

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.

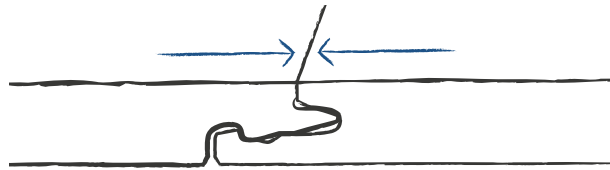
The Unicoat technology is developed by Unilin and has already been introduced to the market as **HydroSeal, WetProtect and AquaSafe technology** on many of the Quick-Step, Pergo and Mohawk product ranges, which are widely recognized as top of the line performers in terms of waterproof properties in the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

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.

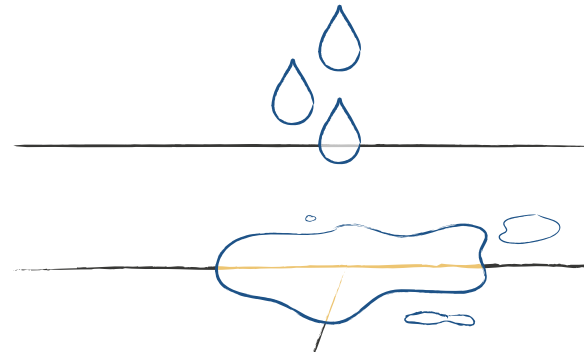


TECHNOLOGIES TO MAKE A FLOOR WATERPROOF

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

HOW WATERPROOF LAMINATE IS TESTED AT UNILIN TECHNOLOGIES

NALFA test



During the NALFA test, a cylinder with water is placed on the T-joint of a floor for 24 hours to **determine the long-lasting swelling damages**.

Floors treated with Unicoat **exceed the highest standards** in the industry for this test, even when performed over a **longer testing period of 100 hours**.

Wet mop test



This test simulates wet cleaning: Several mops infused with water and soap are put on the T-joint of a laminate floor. A damp screen is added to prevent evaporation. This test **determines water leakages between the joints and damages, like swollen edges**.

Flooring products treated with Unicoat perform immensely better in this test and succeed in **reducing swollen edges over longer periods of time**.

Cylinder test without leaks



While looking similar to the NAFLA test, the cylinder test **determines water leakages between the joints** during the testing period by adding a white paper or camera underneath the floor to detect any leaks.

Floors treated with the Unicoat technology **prevents leakages for 100 hours and more**, while those exact same floors that were left untreated often only last for a few hours or sometimes only a few minutes.

