



Althoz Mocca Stripe

# HYDRO FIX COMFORT CORE™

## Reliability. Stability. Quality.

Hydro Fix Comfort Core™'s patented 7-layer, heat-infused extrusion process is a technological leap that will forever change the multilayer flooring industry. The heart of the technology revolves around the revolutionary, high-density, stress-free Rigid Composite Board (RCB). This plasticizer-free RCB core provides superior density and dimensional stability when compared to other multilayer floors like Wood Plastic Composite (WPC) or Stone Plastic Composite (SPC).

1 Scratch Shield™

2 Wear Layer

3 High-Definition Décor Layer

4 Comfort Level™

5 Patented Rigid Core Board (RCB)

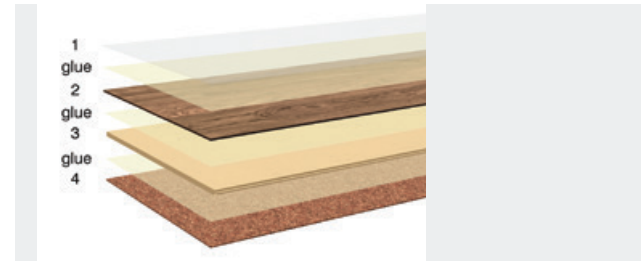
6 High-Performance Bonding Layer

7 High-Density Acoustic Underlay



## 7-Layer, Heat-Infused Extrusion

Through a patented, high-temperature melting process—eliminating the need for hot-press glues—the RCB core is simultaneously integrated into a 7-layer, homogenous board, which will never delaminate, cup or curl. This pioneering floor technology delivers a 100% waterproof floor that is durable, yet warm and soft to the touch for superior underfoot comfort.



Other brands made of plastic composite materials are pressed together with glues and risk deterioration, curling and cupping over time.

1	Scratch Shield™	Two layers of UV-cured, antimicrobial coating provides superior scratch resistance.
2	Wear Layer	Vinyl film (12 mil or 22 mil) protects from abusive wear, traffic and stains.
3	High-Definition Décor Layer	Design foils representing industry-leading wood designs and species and unique floor tile looks.
4	Comfort Level™	An industry-first, polymer-based layer is added to provide superior walking comfort, foot warmth and acoustic performance.
5	Patented Rigid Core Board "RCB"	A proprietary blend of PVC, resins and minerals yields the highest density and most stable core in the multilayer-floor industry.
6	High-Performance Bonding Layer	Designed to permanently bond the RCB Core and High-Density Acoustic Underlay.
7	High-Density Acoustic Underlay	Sound-deadening non-organic Extruded Poly Styrene (EPS) underlay is 100% waterproof and will never harbor mold growth.

## Flooring Composition

Hydro Fix Comfort Core™'s patented high-temperature extrusion process simultaneously integrates seven layers into a homogenous, stress-free product without using glue to combine layers. This patented process, combined with our RCB technology, results in the most stable product of its type available. Flooring stability issues are especially abundant when vinyl top layers are applied with hot press glue, a technique many manufacturers use.

	LICO® Swiss Quality Floors Hydro Fix Comfort Core™	Other Brands Stone Plastic Composite (SPC)	Other Brands Wood Plastic Composite (WPC)
Manufacturing Process	Patented 7-Layer, Homogenous Extrusion	Film-Glued & Hot Pressed on SPC Core	LVT Glued & Hot Pressed on WPC Core
Material Consumption	PVC-Based	PVC-Based	PVC-Based
Comfort Level™ Walking & Warmth Layer	Yes	No	No
Underlay	Waterproof & 100% Anti-Microbial	Water-Resistant Cork (Can Harbor Mold)	Water-Resistant Cork (Can Harbor Mold)
Floor Décor Design	Print Film	Print Film	Print Film on LVT

### Industry-Best Stability

Our patented manufacturing process produces a flooring product that has no stresses embedded in the board, resulting in a flat, defect-free surface for the life of your floor. Other multilayer floors, like WPC and SPC, use core boards and are made with the previous generation extrusion technology. Their extrusion processes freeze or lock in heat and cupping stresses into the boards—stresses that are gradually released in the form of cupping over time through heating and cooling cycles. Technically this performance is measured in what is known as the Long-Term Stability Test, exposing the floors to heat as directed by the flooring industry standard EN-434. Hydro Fix Comfort Core™'s performance is more than 20 times more stable in this area when compared to WPC products, and 7 times more stable than SPC.

### Underfoot Comfort Level™

Hydro Fix Comfort Core™ is leading the industry into the next must-have feature—an added layer engineered to provide underfoot walking comfort, warmth and added acoustic performance. Gone are the days where real wood, tile and multilayer floors leave your feet cold and sore. Our propriety, polymer-based layer was designed to provide years of warmth and cushion without compromising the durability and performance of the floor.

### 100% Mold & Mildew Resistant

Hydro Fix Comfort Core™ uses a sound-deadening, non-organic Extruded Poly Styrene (EPS) acoustic underlay, which is 100% waterproof and will never harbor mold growth. Some WPC floors use cork-based underlay. While cork is water resistant, it is an organic material. Mold or fungi are organisms that require moisture and an organic food source to grow and multiply. When floors with cork underlays have been exposed to moisture, they must be completely disassembled and dried properly to prevent mold growth.



## Flooring Performance

With a density of 6,000 g/m<sup>2</sup>, Hydro Fix Comfort Core™ has 100% more density than all other WPC floors in the marketplace. This advantage comes from the proprietary blend of PVC, resins and minerals, which yield the highest density and most stable core in the multilayer flooring industry. WPC, in contrast, uses a foaming agent to introduce tiny air pockets in its core board. This foaming technology reduces costs, density and durability of the core of these floors.

	LICO® Swiss Quality Floors Hydro Fix Comfort Core™	Other Brands Stone Plastic Composite (SPC)	Other Brands Wood Plastic Composite (WPC)
Guaranteed Not to Delaminate	Yes	No	Standard
Density, Rigidity & Impact Resistance	100%	50% Higher	Average Value*
Curling & Cupping Risk	20x Less	3x Less Than Standard	Average Value*
Thermal Expansion	60% Less	Average Value*	Average Value*
Click Connection-Tongue Strength	5x Stronger	Average Value*	Average Value*

\*Average value based on flooring material, composition and manufacturing process. For details and testing results, visit [www.lico-us.com](http://www.lico-us.com).

### Guaranteed not to Cup, Curl or Delaminate

Our patented manufacturing process, combined with our RCB technology, completely eliminates cupping, curling and delamination risks when you install Hydro Fix Comfort Core™.

### Less Thermal Expansion

An added benefit of Hydro Fix Comfort Core™'s plasticizer-free proprietary blend is a floor that has superior performance when it comes to thermal linear expansion resulting from heat exposure. While all materials expand and contract when exposed to heat, this patented process and unique blend of materials allows Hydro Fix Comfort Core™ to expand 60% less when compared to WPC floors.

### Best-in-Industry Joint Connection Technology

A final benefit of the best-in-industry density of Hydro Fix Comfort Core™ is the strength and durability of the click connect and joints. This strength and density helps eliminate breaking or fracturing of the joint connections when handling and installing, and provides superior joint-holding strength.

As mentioned earlier, WPC uses a foaming agent to introduce tiny air pockets in its core. This foaming technology yields a more brittle, fragile board that puts the connection joints at risk of damage and failure. When the Hydro Fix Comfort Core™ click connect is compared to a WPC click using a drop dart impact test method, the Hydro Fix Comfort Core™ click is 5 times stronger.

WPC, SPC and LVT core boards are most often brittle and fragile. Joints and corners can be easily damaged and even separated under extreme conditions. Hydro Fix Comfort Core® uses a patented, high-temperature melting process, coupled with a patented Rigid Cement Board technology that completely eliminates these problems.



## Flooring Applications

LICO®'s Hydro Fix Comfort Core™ flooring products can be applied over more surfaces without telegraphing than most SPC or WPC competitors. Our patented Rigid Core Board manufacturing technology results in the highest level of stability so subfloor imperfections stay hidden. Our clickable, floating floors are available in several sizes and many beautiful finishes.

	LICO® Swiss Quality Floors Hydro Fix Comfort Core™	Other Brands Stone Plastic Composite (SPC)	Other Brands Wood Plastic Composite (WPC)
Install Over Existing Tile Floors	Yes	Yes	Yes
Clickable Installation	Yes	Yes	Yes
Floating Floor	Yes	Yes	Yes
Wood Plank Sizes	Yes	Yes	Yes
Tile Sizes	No	No	No

## Flooring Certifications

LICO®'s Hydro Fix Comfort Core™ flooring products match or surpass certifications of other flooring products across the industry. We are proud of our product quality and sustainability. From our commitment to environmental responsibility to industry-leading warranties, LICO®'s Swiss-quality floors are among the very best.

	LICO® Swiss Quality Floors Hydro Fix Comfort Core™	Other Brands Stone Plastic Composite (SPC)	Other Brands Wood Plastic Composite (WPC)
Green Guard	Yes	Yes	Yes
Wear & Abrasion Resistance	Heavy Commercial	Heavy Commercial	Heavy Commercial
Warranty	30 Year	15–30 Year	15–30 Year
Noise Reduction	69 IIC 63 STC 20 ΔIIC	N/A	62 IIC 62 STC 21 ΔIIC

### Certificates



### Classification



### Advantages

