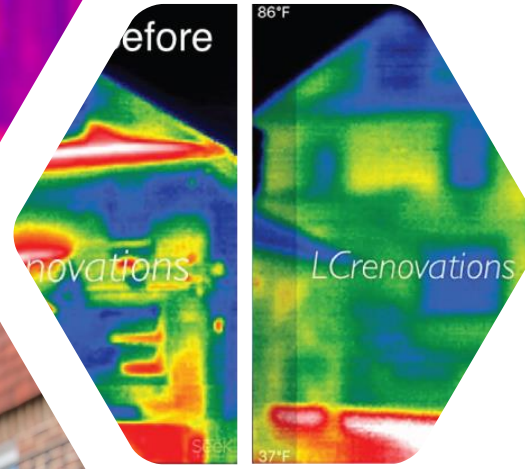


ATOM BUILDERS

CORK SHIELD EXTERIORS

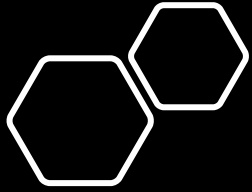




THERMAL INSULATION

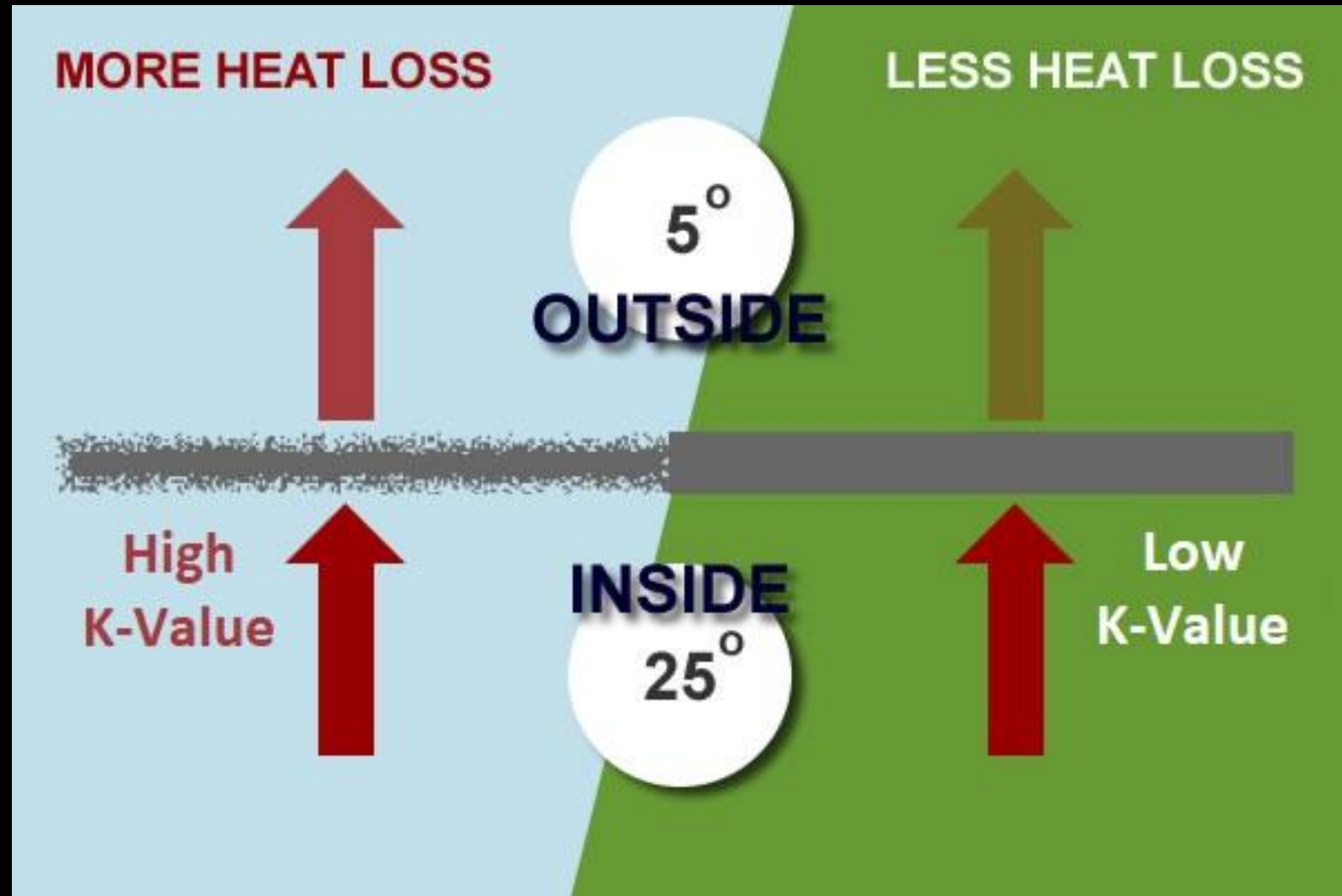
Thermal CorkShield™ is a natural thermal barrier that greatly reduces heat or cold from penetrating into your home or office. When the cork is applied to the exterior surface of your home, it creates a thermal barrier that keeps the weather outside. Hot in the Summer, cold in the Winter. One of the properties of cork is that it will never go below 0° C nor above 30° C.





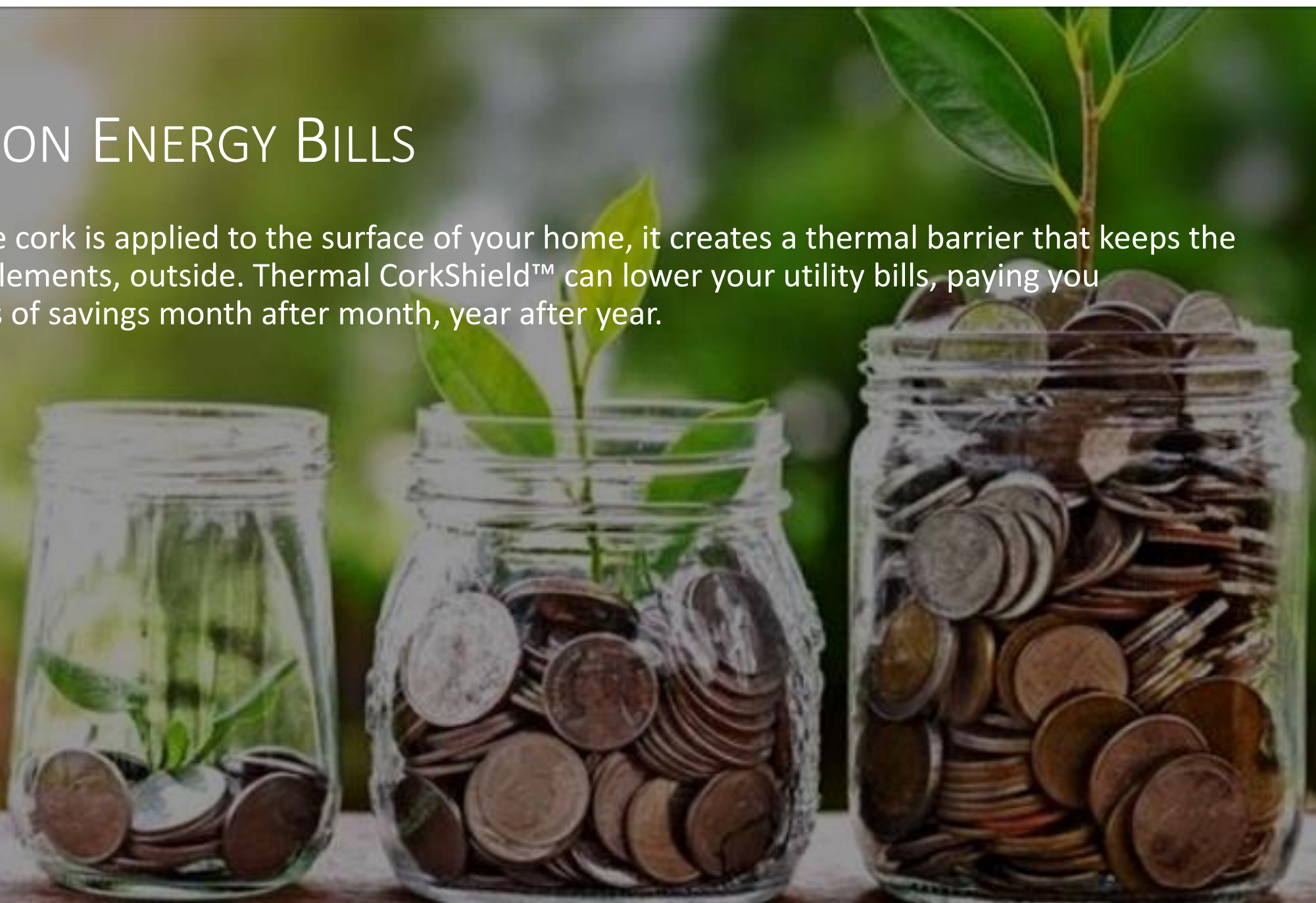
THERMAL INSULATION

Thermal CorkShield™ has an extremely low K-value of 0.058. This greatly increases the energy efficiency of your wall system, reducing your energy consumption.



SAVE ON ENERGY BILLS

When the cork is applied to the surface of your home, it creates a thermal barrier that keeps the outside elements, outside. Thermal CorkShield™ can lower your utility bills, paying you dividends of savings month after month, year after year.





ECO FRIENDLY

The bark of the cork tree is removed every nine years causing large amounts of oxygen to be released by the tree into the environment. The tree will last for hundreds of years continuing to grow new bark. Our non-toxic Thermal CorkShield™ is a greener naturally renewable resource, safe for us and the planet.



SUSTAINABILITY +

- No cork-oak trees are cut down or harmed during the cultivation process. Harvested with traditional hand tools, skill and generations of experience.
- Many countries are now planting new cork trees for cultivation, so there is an increase of cork trees in the world.

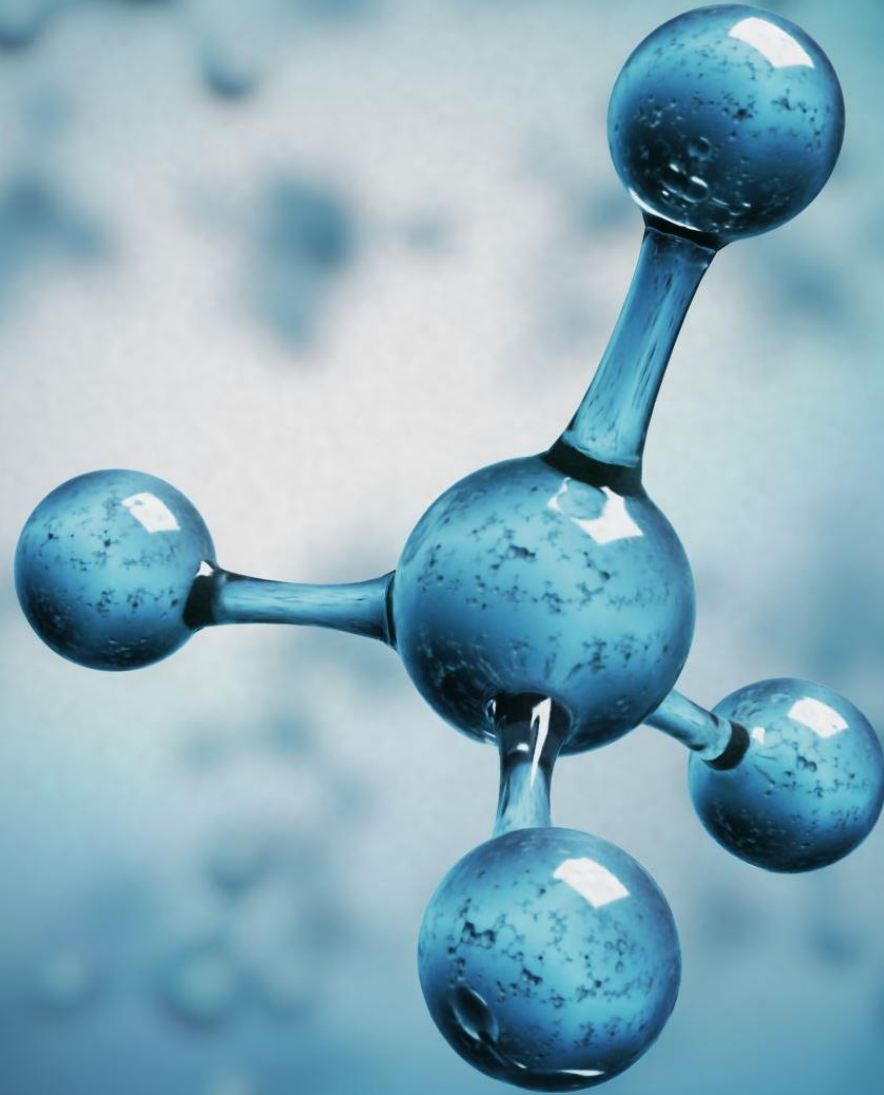


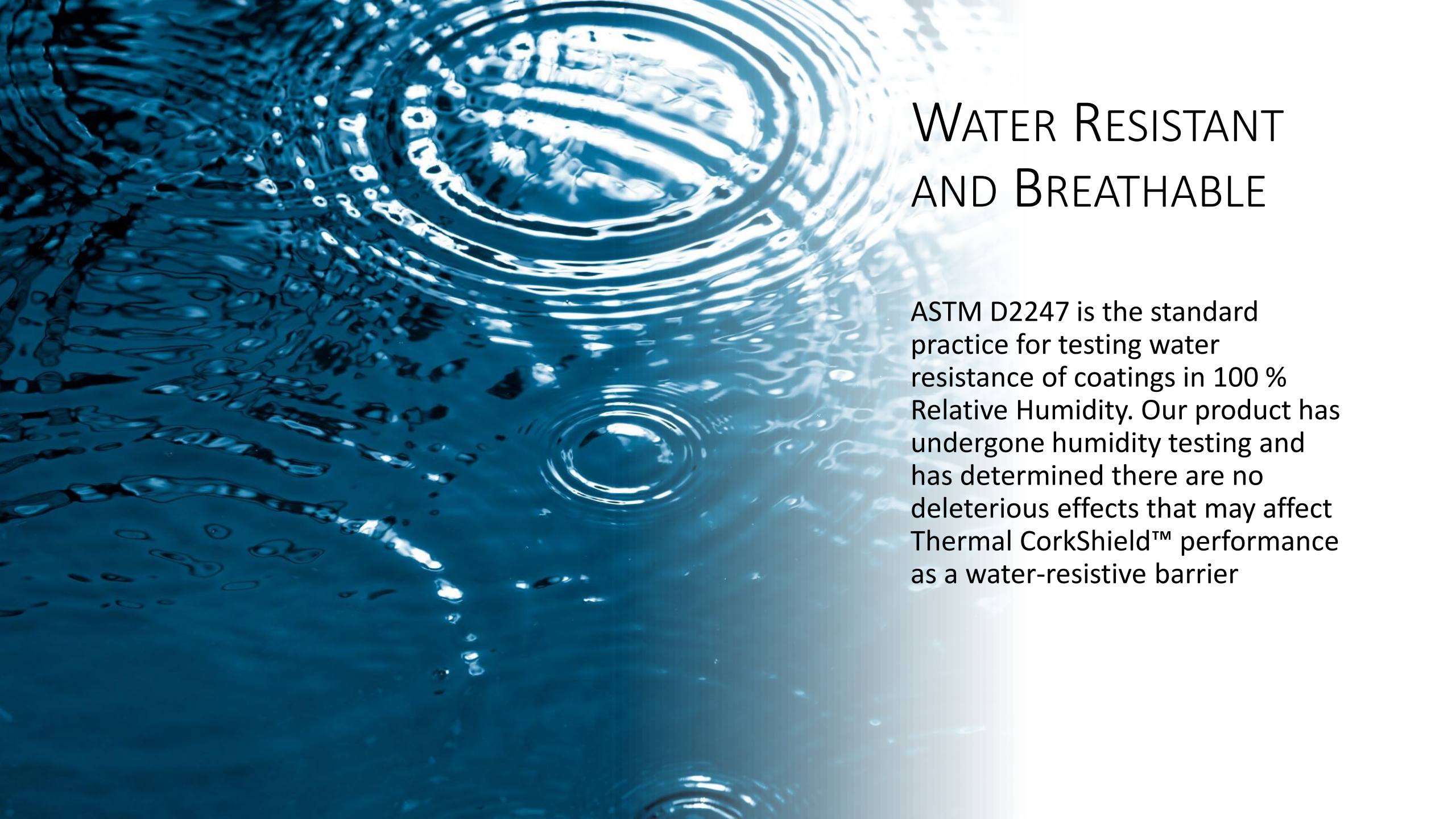
CARBON NEGATIVE-

For each ton of cork that is harvested, the cork forest absorbs 70 tons of CO₂ from the atmosphere, making the cultivation process carbon negative.

WATER RESISTANT AND BREATHABLE

Thermal CorkShield™ works as a protective exterior coating due to its natural resistance to water. The honeycomb cell structure of the cork creates a strong membrane that will not absorb water or gain mass in humid conditions. Corks natural resistance to humidity allows it to age without deteriorating.





WATER RESISTANT AND BREATHABLE

ASTM D2247 is the standard practice for testing water resistance of coatings in 100 % Relative Humidity. Our product has undergone humidity testing and has determined there are no deleterious effects that may affect Thermal CorkShield™ performance as a water-resistive barrier

A close-up photograph of a brick wall with a circular overlay containing text. The bricks are reddish-brown and the mortar is light grey. The circular overlay is semi-transparent and contains the title 'SALT PENETRATION' and two bullet points. The background of the overlay features a faint, stylized pattern of leaves and branches.

SALT PENETRATION

- Our product allows for minimal salt penetration protecting your home or building from damage.
- ASTM B117 is a salt spray test used to produce relative corrosion resistance information. There was no observation of corrosion during testing.



FLEXIBILITY / ELASTICITY

Our product has elastic properties which means that it can expand and contract depending on the weather. Unlike stucco and paint, our product will not chip or crack. Due to its flexibility, Thermal CorkShield™ has the capacity to recover the initial volume after experiencing deformation. It can virtually eliminate the cracking seen in most stucco finishes.

A large tree trunk is shown, with a section of the outer bark removed to reveal the underlying cork layer. The cork is a light tan color and has a textured, slightly porous appearance. The tree trunk is dark brown and has a rough, textured bark. The background is a dense forest of green trees under a bright sky.

FLEXIBILITY / ELASTICITY

The key to cork's flexibility is found in its honeycomb cell structure. Each cell is a 14-sided polyhedron that is made up of 88% air, with an extremely strong and flexible exterior membrane. Say goodbye to hail damage.



ELIMINATES MAINTENANCE

The proprietary formula that was developed over years of research has allowed our product to not only keep the elements out but also hold its shape and colour protecting your home or building for many years to come.



DURABLE

Thermal CorkShield™ is extremely resistant to harsh conditions, fading less than 1% annually. One of the natural properties of cork is it will never reach a freezing point even while being submerged in liquid nitrogen.

A photograph of a blue stucco building exterior. The building has several windows with white frames and a white light fixture mounted on the wall. The background shows trees and a clear blue sky.

DURABLE

After freeze-thaw testing ASTM E2568, there was no evidence of cracking, checking, crazing, erosion, or other characteristics that might affect performance.

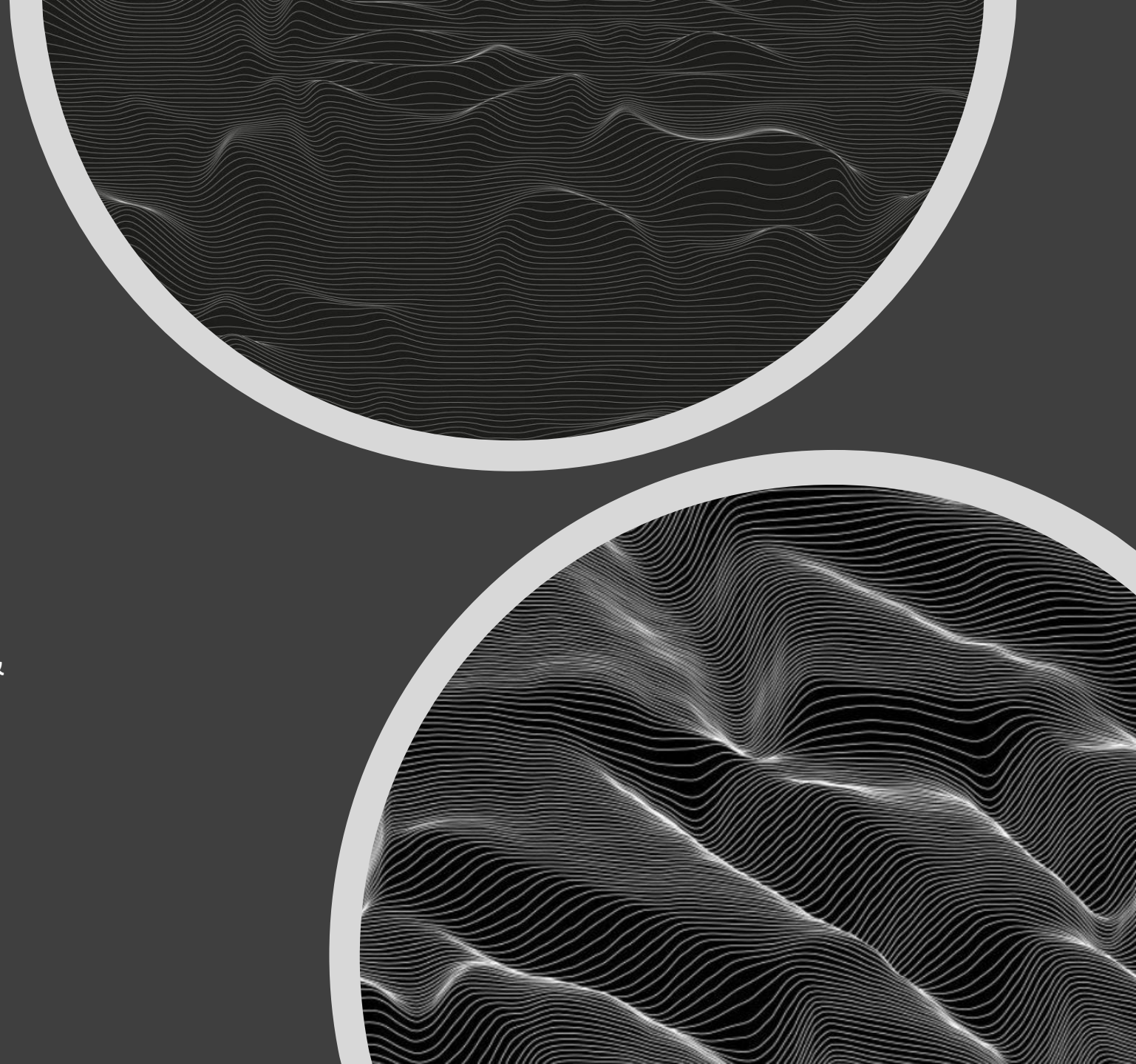


MOLD AND MILDEW RESISTANT

Thermal CorkShield™ combines the natural properties of cork, preventing mold and mildew growth. Laboratory tests ASTM G21 / ASTM D3273, show 0 (zero) mold, fungi or mildew growth on our product.

ACOUSTIC INSULATION

- Thermal CorkShield™ will make your home or building quieter by reducing sound transmission.
- It can reduce echo in any room, home, & business which is why sound recording studios still use cork to help prevent sound reverberation.



HYPOALLERGENIC

Thermal CorkShield™ does not shed its fibers, reducing dust build up. It is an ideal product for anyone who suffers with Allergies or Asthma



IMPROVED HOME EXTERIOR



- Our product not only lowers utility bills, but it also adds consistent texture and colour making your home beautiful. Retrofit and revitalize your exterior with added performance benefits to go along with the new curb appeal.
- Cork is very low density and quite light, reducing any structural concerns.



NON-INVASIVE INSTALLATION

Thermal CorkShield™ has a high friction coefficient which allows it to bond to virtually Any substrate. Since CorkShield™ works in conjunction with engineered wall systems, it makes it a ideal candidate for anyone looking to retrofit and revitalize their antiquated exterior.



Vibrant Colours

Thermal CorkShield™ is available in many colours allowing you to change the look of your home.

FIRE RETARDANT



- Cork is a naturally fire retardant material that will not release incandescent particles nor will the flames propagate.
- It slows or stops the spread of fire or reduces its intensity.
- This is accomplished by chemical reactions that reduce the flammability of fuels or delay their combustion. Thermal CorkShield™ has an ASTM E84-20 Class A Fire Rating.



HAVE CONFIDENCE WITH YOUR INVESTMENT

Thermal CorkShield™ is backed with over a decade of real world examples in Canada and offers a 15 year manufacturer warranty.

This gives our clients peace of mind, knowing they made the right decision for protecting their property and keeping their family comfortable.