

The background of the slide features a series of concentric, overlapping circles in a dark charcoal color. The circles are centered on the right side of the frame and create a sense of depth and movement. The text is positioned on the left side, overlapping the circles.

RT acoustic

Wellness by Design

Company Overview

ABOUT TCM

TCM Corporation PLC has expanded into a true global conglomerate becoming industry leaders in living, interior surface, and automotive business sectors while continuing to grow and explore new opportunities. TCM Corporation PLC. upholds professional business integrity that builds confidence in our shareholders, business partners, customers, and other stakeholders around the world. We focus on delivering inspirational and high quality products that lead the industry in aesthetic excellence.



ABOUT RT acoustic

RT acoustic improves and enhances the user's time, space, and quality of life, with effective acoustic solutions that are high-performance, design-savvy, and sustainable.

RT acoustic is an innovator and designer of progressive acoustic solutions. Crafting smarter, sophisticated, and high-performance sound-management products from sustainable materials, RT acoustic brings a new profound level of peace and wellness to users, and ultimately, enhances their quality of life.

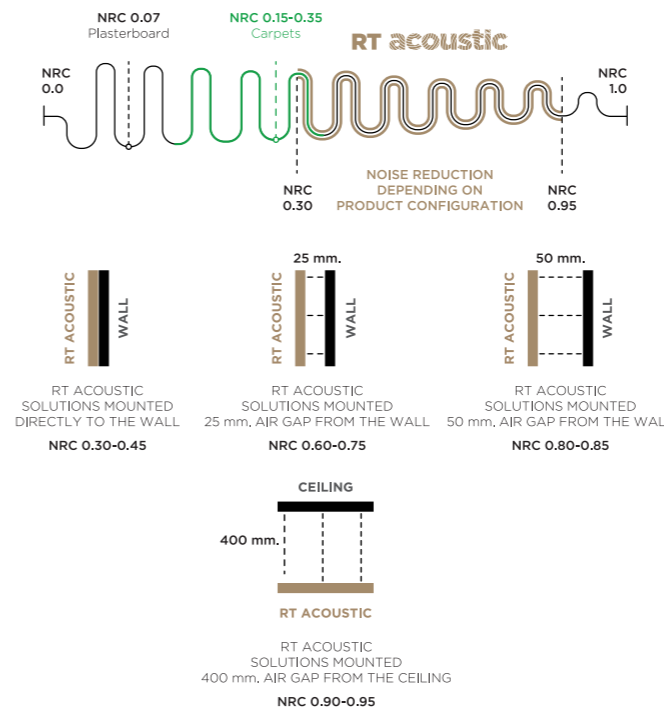


SOUND DESIGN

NRC RATING

The noise reduction coefficient (NRC) is a measure used to assess the sound absorption properties of a material or surface. It is a single-number rating that indicates how effectively a material reduces the amount of sound energy reflected back into a space.

The NRC value ranges from 0 to 1, with higher values indicating better sound absorption. An NRC of 0 means that the material reflects all sound energy, while an NRC of 1 means that the material absorbs all sound energy.



REASON WHY WE CONSIDER SOUND

- Space has an impact on sound. Sound is shaped in a number of ways, frequently dynamically, by many different places, including their form, structure, materials, things, people, and applications.
- Our perception depends heavily on the sounds we hear in a given environment. In locations where we work, learn, recover, and play, unwanted sound has a significant cost in terms of perception, wellbeing, and productivity.
- As a result, interior soundscaping tools are a crucial component of the A&D arsenal, and soundscaping is a skill that is required.
- By developing their ability to conceptualize and predict how sound is likely to behave, designers may create environments that keep the proper noises, at the appropriate levels, in the right locations, and at the right times.

TOTAL SURFACE PROVIDER

To become a trusted global solution provider serving customers' floor covering and acoustic aspirations, Embracing our heritage and globally diverse culture, we consistently inspire and enhance distinctive design experiences by delivering integrated floor covering and acoustics solutions that respect the wellbeing of people and planet.

Our extensive range of products and reliable service make us the quintessential one-stop source for high-quality, sustainably produced carpet & acoustic surfaces. We offer two distinguished flooring brands, **Royal Thai** for hospitality & residential and **Carpets Inter** for the corporate sector.

RT acoustic is our new acoustic surfaces brand.

BENEFIT OF RT acoustic



Excellent acoustic performance



Easy to install



Design Flexibility



Light weight



Made from recycled materials



Superior Colorfastness



Flame resistant



Durable

WELLNESS BY DESIGN

The human experience can be hampered and diminished by excessive noise. Prolonged exposure can permanently degrade our ability to hear, and it can also trigger a variety of other problems including stress, anxiety, and anger.

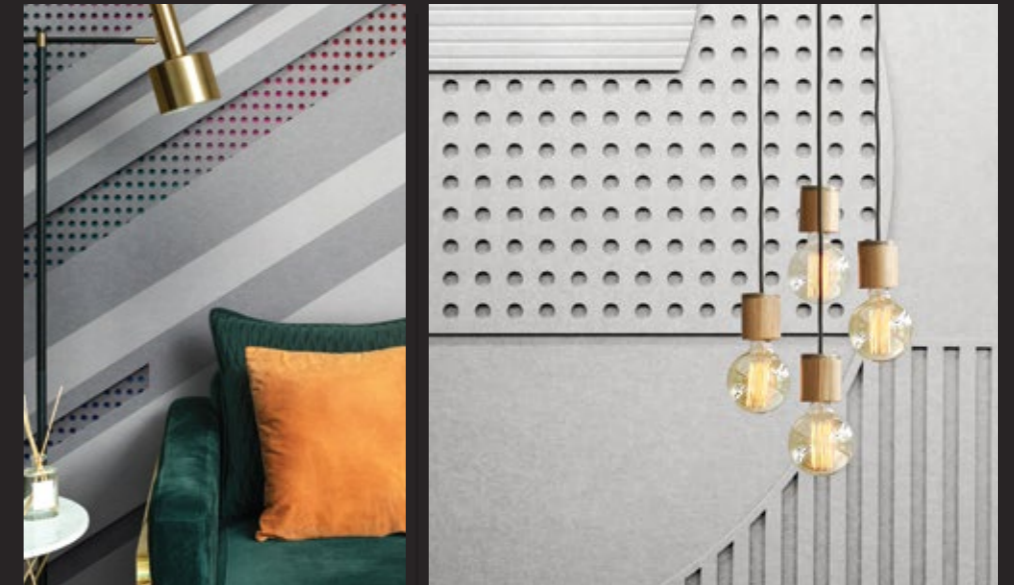
These costs can be considerable in a workplace context, but they become critical in an educational or therapeutic environment. If a person is unable to communicate or listen effectively, this can severely impact the success of the space. The space is an inherent part of the communication process.



Crafting intentional soundscapes into our surrounding environment can enrich the human experience. Enhanced quiet promotes better physical and mental health. It can also improve energy levels, work efficiency, learning, healing, and relaxation.

Enhanced acoustic control in interior spaces promotes better communication, understanding and less stress. Wellness by design.

WHY RT acoustic



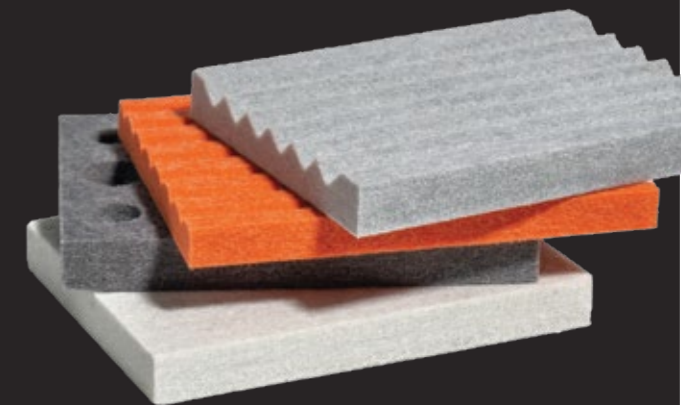
RT acoustic® offers a unique, high-performance and environmentally conscious acoustic products – responsibly recycling millions of discarded single-use PET water bottles into a very good use and upcycling wool fibers from the carpet production. The products are recognized by the International Living Future Institute (ILFI) under their DECLARE Label award program as RED LIST FREE, the highest designated level acknowledging no harmful content.

Declare.



This achievement further demonstrates TCM Corporation's genuine commitment to material transparency.

Providing safety and hygiene towards healthy occupied spaces, while working to achieve our goals to carbon neutrality under WELL Building Certification.



Committed to the continuous growth of social responsibility and environmental practices.

That's why we lead the industry in manufacturing process innovation to improve quality and reduce waste. Expect positive energy back when you send it forth. We are delighted to be local leaders in Reuse, Recycle, and Reduce and the first in the region to receive and comply with quality and environmental ISO certifications.



Health Product Declaration

The Health Product Declaration® (HPD) Open Standard is a standardized specification for the accurate, reliable, and consistent reporting of product contents and associated health information for products used in the built environment. HPDs are harmonized with programs such as International Living Future Institute, Cradle-to-Cradle Product Innovation Institute, Clean Production Action, BIFMA, LEED, WELL and many others.



Zero Landfill

When you send positive energy into the world, you can expect it back. We are proud to be local leaders in the Reuse, Recycle, and Reduce movement. Zero process waste to Landfill since 2009.



Red List Free

The Living Building Challenge (LBC) Red List represents the "worst in class" materials, chemicals, and elements known to pose serious risks to human health and the greater ecosystem that are prevalent in the building products industry.

Declare.

Declare Label

Declare is regarded as the toughest materials transparency standard in sustainable construction. The Declare program enables manufacturers to communicate their product ingredients in an effort to promote transparency and accountability.

Our team is dedicated to providing a seamless experience from start to finish, ensuring that your project is brought to life with utmost precision and care.

At RT acoustic, we are committed to delivering excellence in every aspect of our service. From design to site survey, field testing to simulation, our comprehensive approach guarantees a smooth and successful project execution, leaving you with the satisfaction of a job well done. Let us transform your ideas into reality and elevate your experience to new heights.



DESIGN SERVICE

We realize your concept with our premium design service. Our skilled designers collaborate with you to build solutions that meet your unique needs.



SITE SURVEY

We provide detailed site surveys to guarantee our solutions fit your surroundings. Our specialists inspect your facility and collect vital data. This helps us uncover issues, optimize our designs, and offer the best solutions for your needs.



FIELD TEST

Our field testing in real-world situations are essential. Our expert technicians test and verify the functioning and performance of the equipment we install to ensure quality and reliability



SIMULATION

For an immersive experience, we offer simulation. With cutting-edge technology, we can create virtual surroundings that match your space. This helps you understand how our solutions will fit into your setting, enabling you to make educated decisions and ensure a successful outcome.



SOLO®

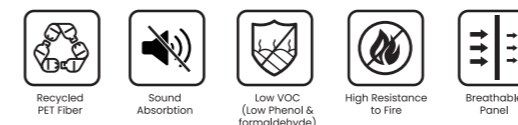
SOLO® is a multi-purpose acoustic surface engineered using recycled PET fiber and suitable for multiple indoor applications. SOLO® is supplied as a rigid light weight panel that is customizable, with creative applications of precision print, CNC cut, and CNC groove patterns.

SOLO® is engineered to effectively reduce and control noise reverberation to create a more comfortable ambient and fit for purpose space.

For custom forms (e.g.; 3-Dimensional Ceiling clouds, baffles, etc.,) contact RT acoustic representative.

PRODUCT FEATURES

- Made from PET with up to 60% post-consumer recycled content
- Sound absorbing breathable surface
- Low VOC emissions
- Excellent Colorfastness
- High resistance to fire EN 13501-1: 2018 Class B-s1, d0



ACOUSTIC VALUES

NRC Rating 0.45 for 12 mm.
0.30 for 9 mm.

SPECIFICATION

Product Name SOLO®

Composition 100% Polyester (60% post-consumer recycled content)

Thickness 9 mm. or 12 mm. (+/- 10%)

Panel Size Width 1220 mm. (+/-5 mm)
Length 2800 mm. (+/-10 mm)

Weight 1,800 gram/sq.m. (+/-10%) for 9 mm
2,400 gram/sq.m. (+/-10%) for 12 mm

DUET®

DUET® With all the same benefits of the **SOLO®** product, with added upcycled content assisting us to achieve our sustainable goals for a circular economy.

DUET® is engineered to effectively reduce and control noise reverberation to create a more comfortable ambient and fit for purpose space.

For custom forms (e.g.; 3-Dimensional ceiling clouds, baffles, etc.,) contact RT acoustic representative.

PRODUCT FEATURES

- Made from PET with up to 60% post-consumer and added upcycled wool content
- Sound absorbing breathable surface
- Low VOC emissions
- Excellent Colorfastness
- High resistance to fire EN13501-1:2018 Class B-s1,d0



Recycled PET Fiber



Sound Absorption



Low VOC (Low Phenol & formaldehyde)



High Resistance to Fire



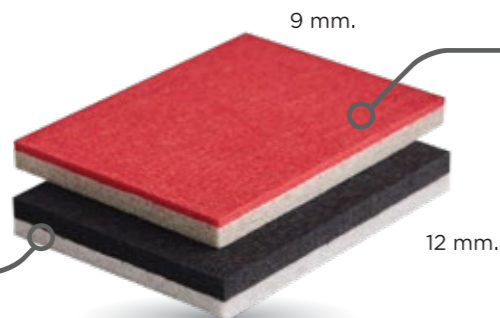
Breathable Panel

CONSTRUCTION



RECYCLED POLYESTER & UPCYCLED WOOL BLEND

Recycled polyester and upcycled wool blend up to 60%, enhance sound absorption.



RECYCLED POLYESTER FIBER

Thermo-bonded polyester combine with recycled PET post consumer made from discarded water bottles up to 60%.

ACOUSTIC VALUES

NRC Rating 0.45 for 12 mm.
0.35 for 9 mm.

SPECIFICATION

Product Name DUET®
Composition Polyester fiber and wool blend (60% recycled content)
Thickness 9 mm. or 12 mm. (+/- 10%)
Panel Size Width 1220 mm. (+/-5 mm)
Length 2800 mm. (+/-10 mm)
Weight 1,800 gram/sq.m. (+/-10%) for 9 mm
2,400 gram/sq.m. (+/-10%) for 12 mm



AVAILABLE COLORS - SOLO® & DUET® WITH LIGHT REFLECTANCE VALUE (LRV)



Stone
LRV : 45



Mist
LRV : 34



Graphite
LRV : 20



Rock
LRV : 15



Black
LRV : 2



Eggshell
LRV : 39



Sand
LRV : 31



Amber
LRV : 41



Sunrise
LRV : 24



Ruby
LRV : 8



Rose
LRV : 9



Citron
LRV : 44



Teal
LRV : 10



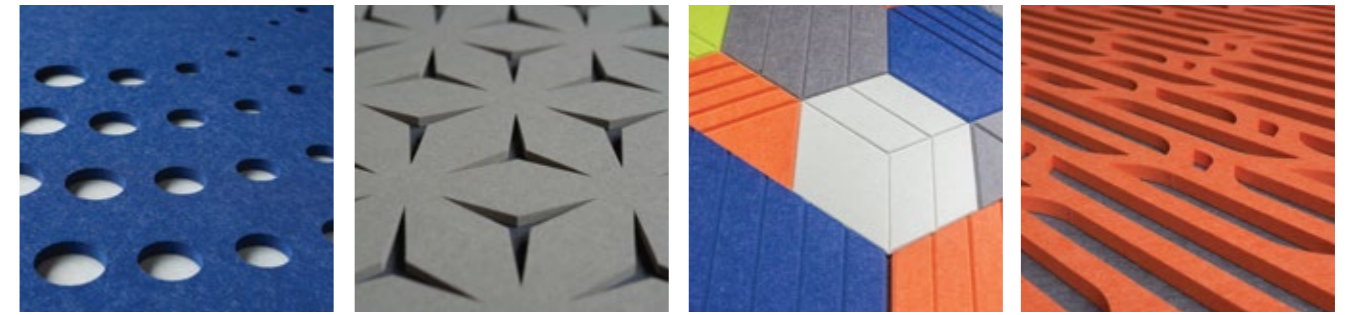
Cobalt
LRV : 7

CREATIVE CUT AND GROOVE

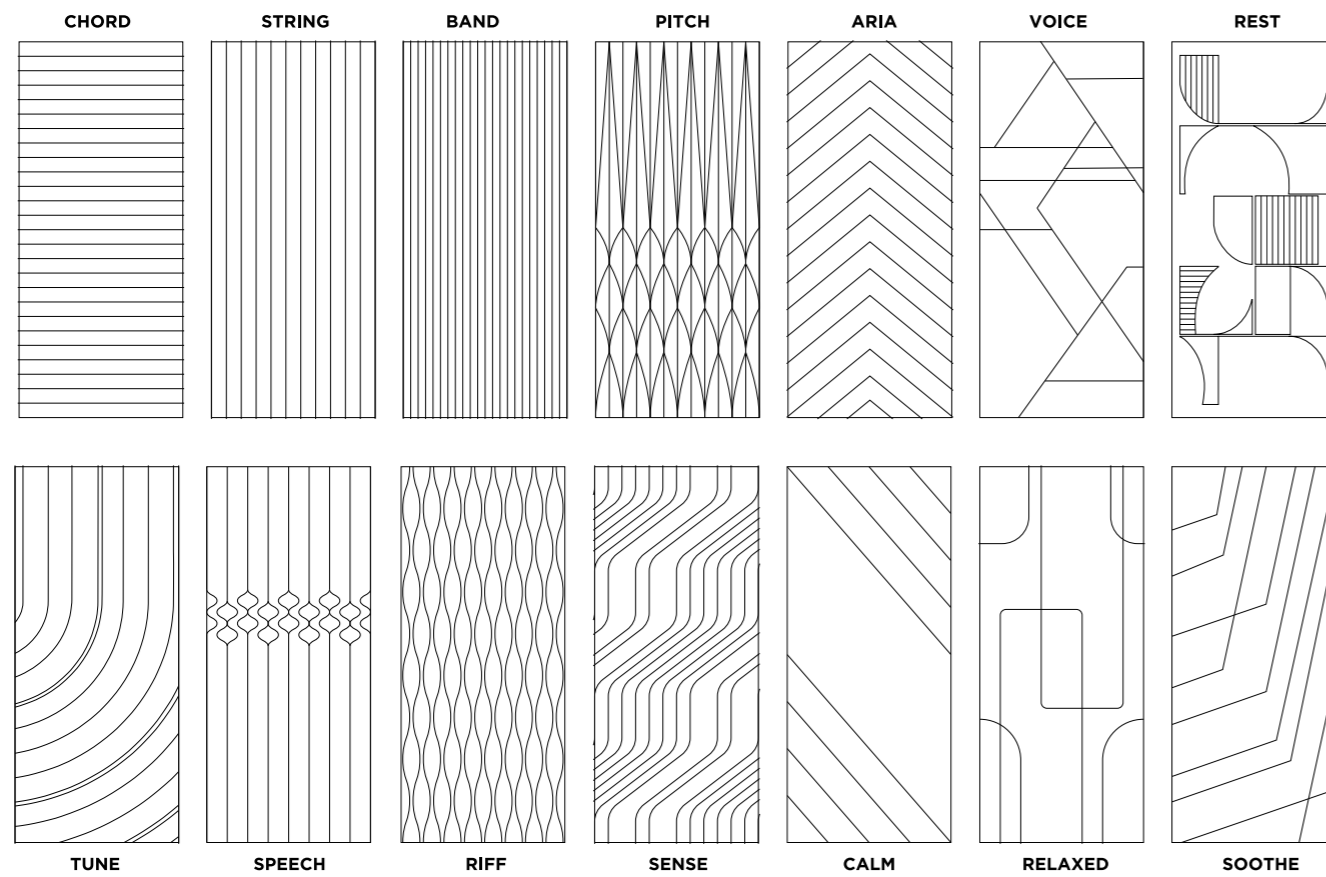
RT acoustic solutions bring to its users a progressive way of living through smart solutions. Innovations, creative ideas, and sustainability—to empower “living well”. RT acoustic gives users more control over their space with smart acoustic solutions crafted for better living spaces.

With decades of experience in the fabrics and textiles industry, we apply our experience and know-how to create sophisticated acoustic solutions with advanced technology, expert craftsmanship, and passion for sustainability.

Please consult your local RT acoustic representative for more information on creating a unique interior aesthetic....

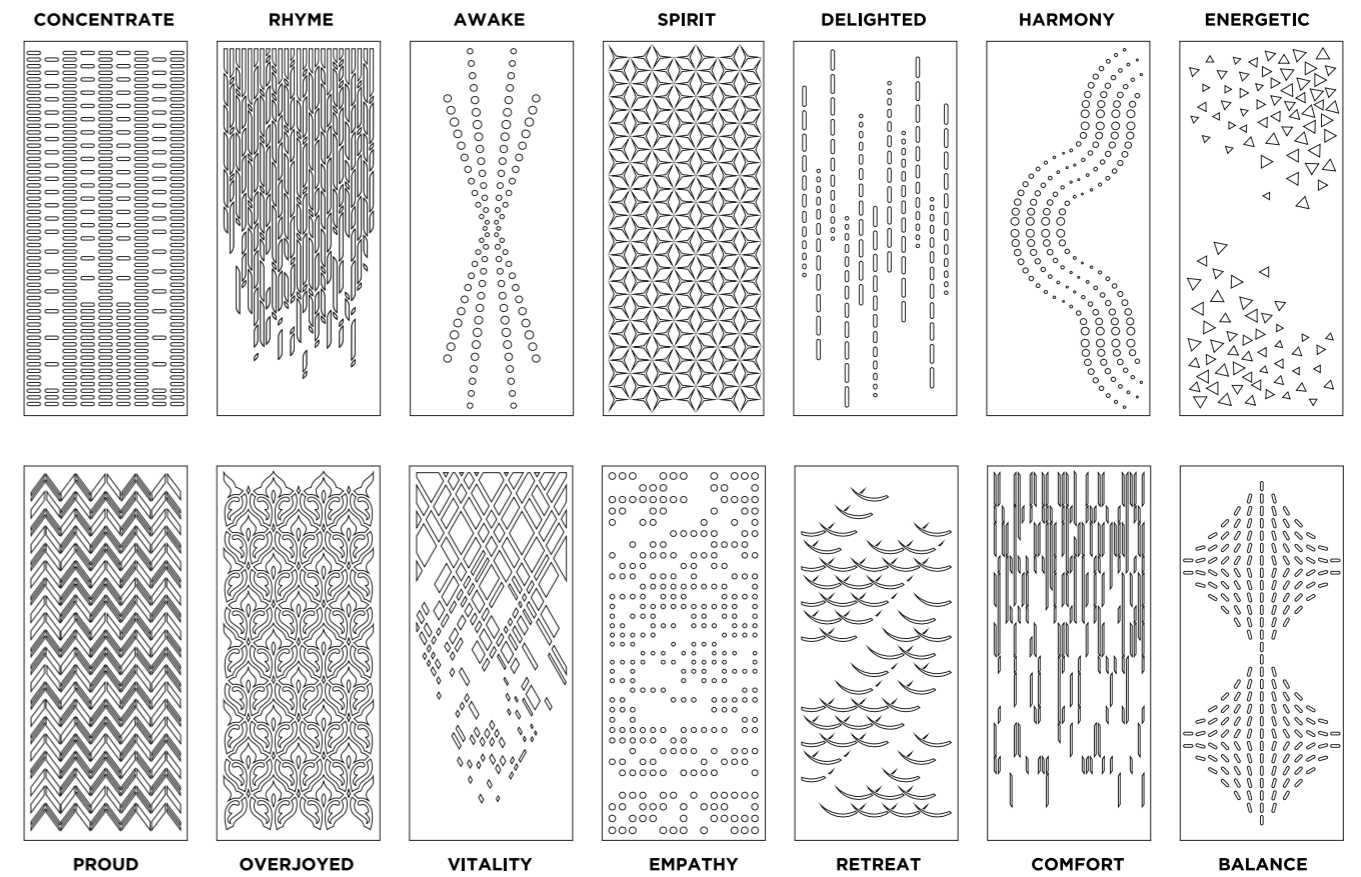


GROOVE PATTERNS

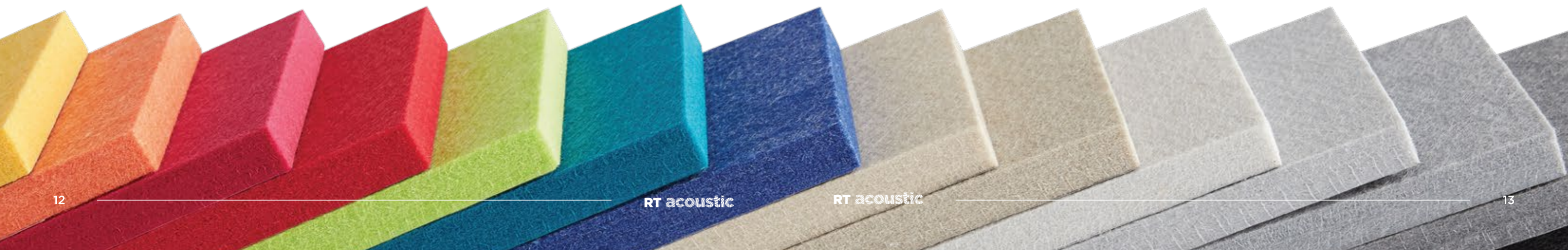


Panel sizes are supplied as 1220mm x 2800 x 12mm for both CUT and GROOVE design options.

CUT PATTERNS



Panel sizes are supplied as 1220mm x 2800 x 12mm for both CUT and GROOVE design options.



PRINT

KNOT-WOOD™ is a sound absorbent panel for interior walls, ceilings or partitions. They can be conveniently applied to any interior space such as education, entertainment, convention centers, corporate office, hospitality, government, or residential.

A high quality, high resolution wood grain finish available in convenient planks to give flexible and warm natural feel in any interior space.



PRODUCT FEATURES

- Made from PET with up to 60% upcycled post-consumer content
- 100% recyclable
- Low VOC emissions and odourless high resolution print
- Ease of application using 'Peel & Stick'
- Available in convenient plank size for easy on site handling and maximum design flexibility

ACOUSTIC VALUES

NRC Rating 0.45 for 12 mm.

SPECIFICATION

Product Name KNOT-WOOD™

Composition 100% PET

Recycled Content 60% min

Thickness 12 mm. (+/- 10%)

Panel Size 300 x 900 mm.



Cherry Blossom

Weathered Oak

School Desk

Walk The Plank

Park Bench

Warm Graphite

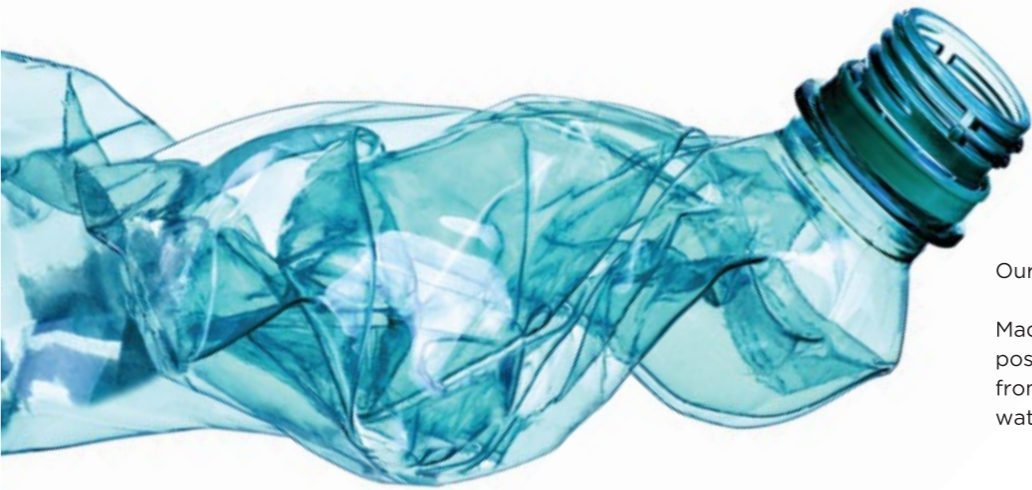
Driftwood

Country White

Whitewash

RT acoustic

THE THREAT TO OUR MARINE LIFE IS AT A CRITICAL LEVEL DUE TO THE MASSIVE AMOUNTS OF PLASTIC BEING DUMPED IN OUR OCEANS EVERY DAY.



Our product is 100% recyclable.

Made from up to 60% upcycled post-consumer material, reengineered from millions of discarded drinking water bottles.



NET ZERO IN 2050

RT acoustic, a TCM Corporation brand, aims for net-zero emissions by 2050. We acknowledge the urgency of climate change and our environmental impact. Our ambition for a sustainable future drives us to use new methods to lower our carbon impact.

Our research and development goal to optimise our processes, goods, and services to reduce greenhouse gas emissions across our value chain. We will invest in renewable energy, energy efficiency, and responsible use and production. We'll need employee, supplier, and customer collaboration to drive this transition.

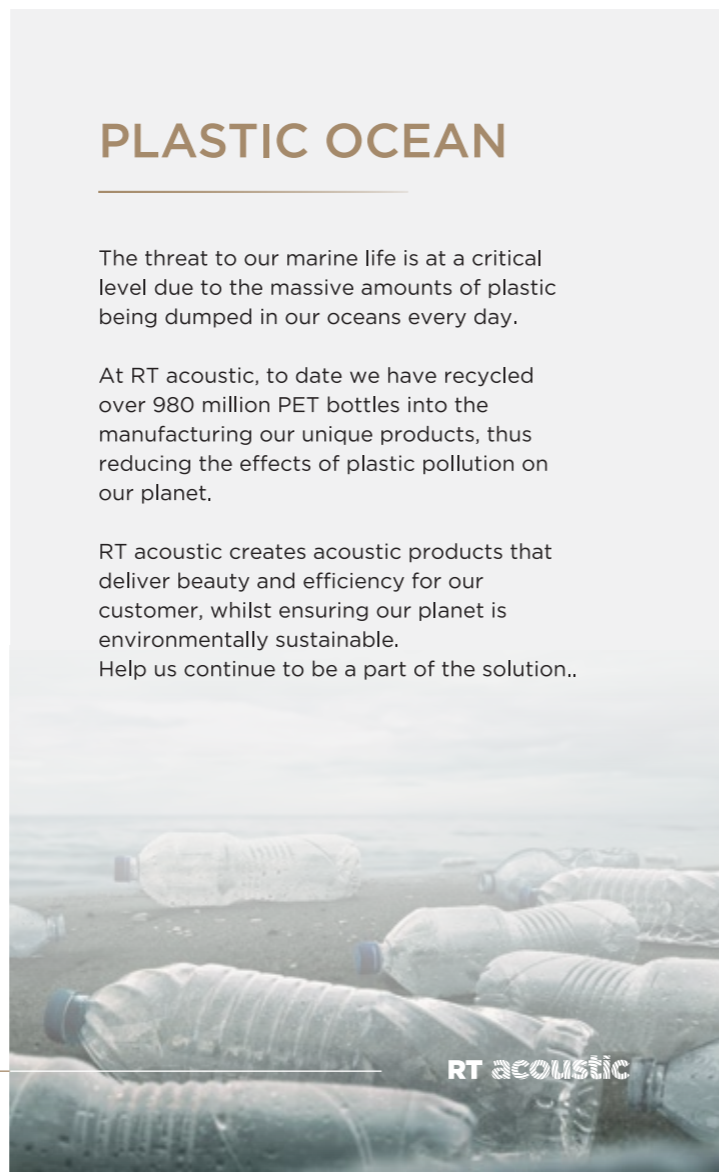
We want to help create a cleaner, greener, and more sustainable world by following sustainability principles and adopting a circular economy.

PLASTIC OCEAN

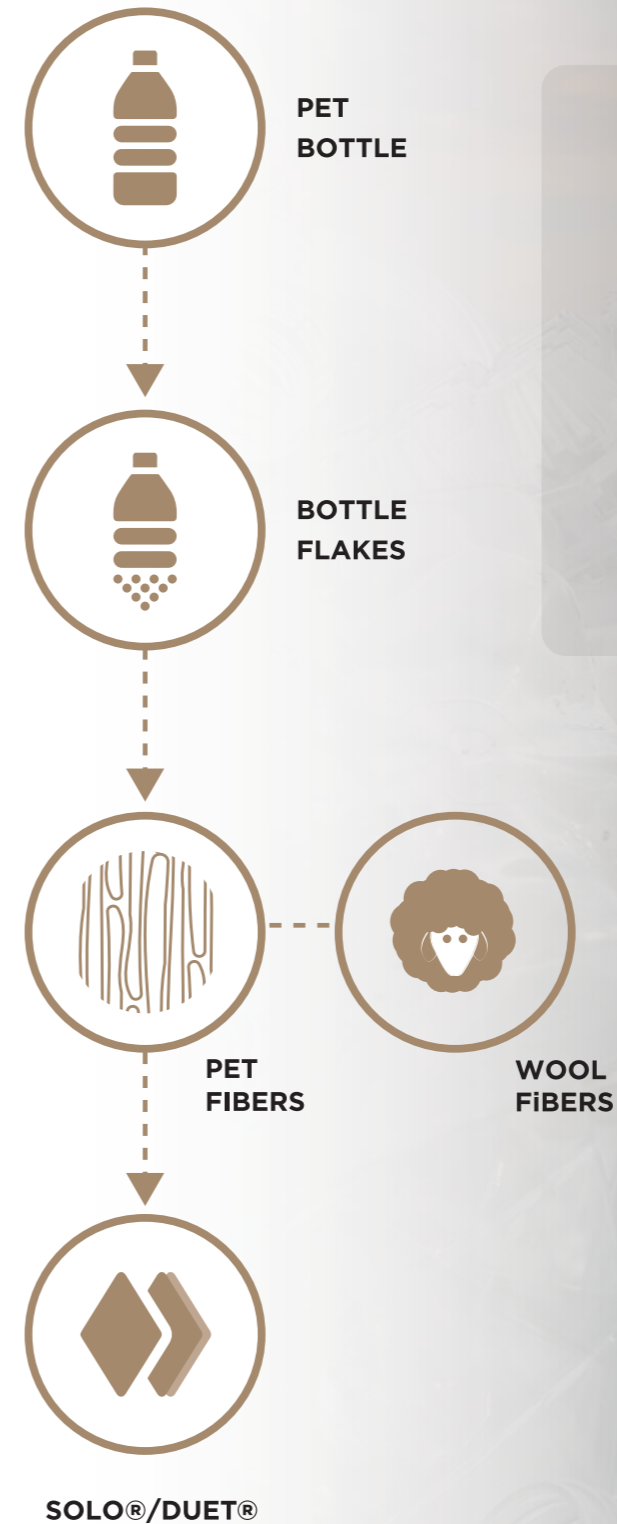
The threat to our marine life is at a critical level due to the massive amounts of plastic being dumped in our oceans every day.

At RT acoustic, to date we have recycled over 980 million PET bottles into the manufacturing our unique products, thus reducing the effects of plastic pollution on our planet.

RT acoustic creates acoustic products that deliver beauty and efficiency for our customer, whilst ensuring our planet is environmentally sustainable. Help us continue to be a part of the solution..



UPCYCLING BY DESIGN



RT acoustic recycles 100 x 550 ml PET bottles for every square meter of product we sell.

CONTACT US

RT acoustic brings a new profound level of peace and wellness to users, and ultimately, enhances their quality of life.




Warranty



Maintenance

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