



the future is safer with altro



Follow us:



Due to Altro's continual innovation and product development, please consult [www.altro.com](http://www.altro.com) or your local Sales Consultant for the latest product range information.

**Altro APAC Pty Ltd, 3 St Andrews Court, Rowville VIC 3178.**

tel: +61 3 9764 5666 fax: +61 39764 5655 e-mail: [info@asf.com.au](mailto:info@asf.com.au) [www.asf.com.au](http://www.asf.com.au)

Altro, the future is safer with altro, Altro Aquarius, Altro Suprema, Altro Walkway 20, Altro Classic 25, Altro Stronghold 30, Altro Wood Safety, Altro Everlay, Altro Whiterock, Altro Whiterock Chameleon, Altro Whiterock Digiclad, Altro Whiterock Splashbacks, Altro Whiterock Satins, Altro Whiterock Flexijoint, AltroProof, Altroprime, AltroClean 44, AltroFix, Altrosan, Altro Easyclean Maxis Technology, Altro Easyclean Technology, Altro Easyclean Original, Altro Easyclean Maxis PUR and SampleExpress are trademarks of Altro Limited.

Content correct at time of going to print. Altro reserves the right to change any detail.

WOA-C-UK-V01

© Copyright Altro 2015

## World of Altro

Premium flooring and wall cladding systems for construction and transport - **Construction edition 2015**

phone:  
**1800 673 441**

fax:  
**03 9764 5655**

email:  
**[info@asf.com.au](mailto:info@asf.com.au)**

visit:  
**[www.asf.com.au](http://www.asf.com.au)**

Pep Gràcia, Technical Manager, MCD Group, Spain:

“The kitchen of a large hotel requires high levels of **hygiene and safety** to ensure **optimum performance**. Altro Stronghold 30 gives us the best results for leaks, compliance and a **great improvement in the working conditions of chefs in terms of safety, hygiene and comfort.**”

Lesley Meaker, Head of Salisbury District Hospital ArtCare design team, UK: “There was a lot to think about in our product selection, but one thing we were sure of right from the start was that **it had to be Altro.**”

Chris Woodruff, Principal Surveyor, Willmott Dixon, on Altro XpressLay, UK: “It has proved to be a **quality product** that **saved us time and cost** on a project where we were able to provide betterment on the delivery programme.”

Dennis Stammer, Maintenance Manager, Ormond College, University of Melbourne, Australia:

“I have experienced Altro in the past and not only do they have **excellent customer service** but **high quality**, top of the range products as well. The bathrooms that we installed using Altro safety flooring and Altro Whiterock Chameleon wall cladding were **reasonably priced** and of **very high quality**. I would only **recommend** and use Altro Aquarius and Altro Whiterock products.”

Follow us:



**Welcome to Altro**

Safety	7
Hygiene	15
Sustainability	23
The Altro promise	29
Our key sectors	35
Products	41

# Welcome to Altro

We think big at Altro – and we are globally big in premium flooring and wall cladding systems for construction and transport. We love inventing things. Safety flooring and hygienic wall cladding systems are two of our most famous innovations.

We really enjoy working in partnership with you, pioneering new technologies and products. You've told us you enjoy it too. We're devoted to sustainability, recycling and reusing our products.

Family owned and run, we share family values; we care about you, each other and what we do. We're passionate about creating a great experience for you wherever you are in the world.

Call us, we'd like to say "Hi", "Hola" or even "你好" and show you why the future is safer with Altro.

Altro at the Olympics:  
**winning solutions for world class installations**

Over 60,000m<sup>2</sup> of sustainable Altro safety flooring were specified for the Olympics



# Safety

Safety matters. It's at the heart of everything we do. We invented safety flooring back in 1947 and we're still passionate about it. We love pioneering different safety flooring solutions with sustained slip resistance for the lifetime of the product. In wet and dry, in shoes, boots, slippers, trainers or barefoot, we've taken care of it. As long as you're safe, we're happy.

We're dedicated to safety in other ways too, to help make sure that your future really is safer with Altro. Our hygienic wall cladding systems help keep you safe by making it difficult for bacteria to hide. Our resins help keep the champions of industry safe. We're a family run business that's been going strong since 1919, making sure your investment in Altro is safe too.

It's our mission to keep your slip risk level to **one in a million**



## Why safety?

Not all safety flooring is as safe as Altro's. Some floorings have only a thin slip-resistant coating or emboss, which can easily wear away. Some floorings only provide slip resistance in dry conditions.

Sustained slip resistance in both wet and dry conditions is crucial to help reduce the 132 570 workers compensation claims for serious work-related injuries or illnesses in Australia in 2010-11 (Source: Safe work Australia). Our unique, patented safety flooring construction incorporates slip-resistant particles throughout the wear layer. And this forms a durable surface that's slip resistant with both wet and dry contaminants for the lifetime of the product.

Because we take safety so seriously, we develop Altro safety flooring to exceed current regulatory requirements and provide sustained slip resistance for life.

Our safety flooring doesn't just protect the people who use it, it also protects those responsible for the health and safety of their employees and visitors.

**Slips, trips and falls** are the most common cause of injury in the workplace, accounting for more than half the

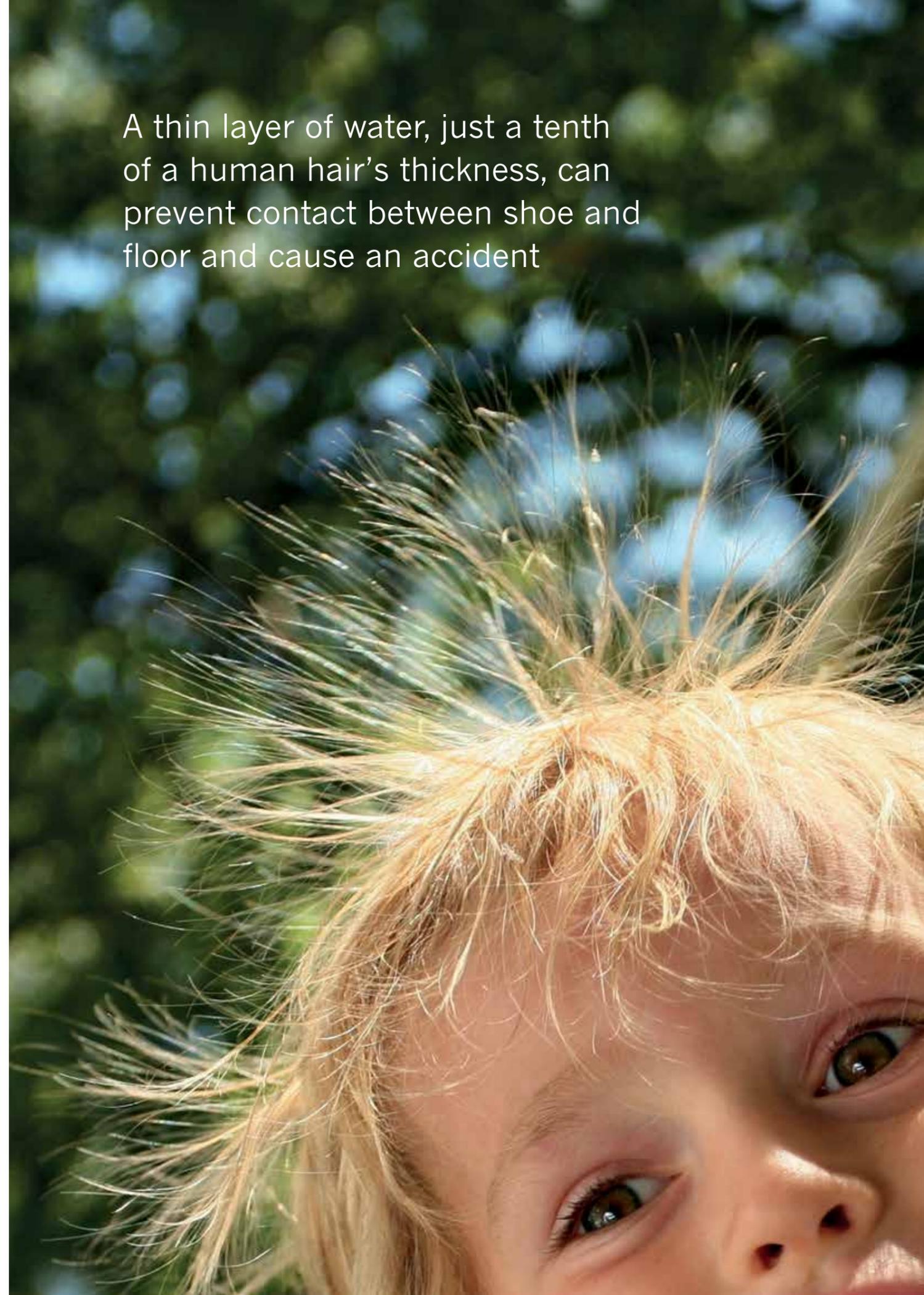
**19,707**  
reported major injuries in 2012-13.

**\$115 million**  
the cost of accidents in the workplace.

**55%**  
of all accidents in education are caused by **slips, trips and falls**.

**1,600**  
healthcare staff suffered major injury in just one year due to **slips, trips and falls**.

A thin layer of water, just a tenth of a human hair's thickness, can prevent contact between shoe and floor and cause an accident



# Testing and measuring

At Altro, we go above and beyond what's legally required, to deliver safety flooring you can count on for its entire lifetime. We don't just meet existing test standards, we're raising the bar and pioneering new, rigorous testing protocols.

We believe that the best way to measure slip resistance is using the TRRL Pendulum Test, which is utilised in the recommendation handbook 198 that is to be read in conjunction with Australian Standard 4586. It has several advantages over the Ramp Test, the biggest being that it can be used to measure in situ floor coverings – making it the only method that tests sustained slip resistance. And, Ramp Tests are carried out on pre-installed ex-factory materials and don't measure slip resistance after a few months when a floor's coating may have worn off.

We've gone even further than this, investing in additional tests to prove that our products consistently deliver to the highest standards. We insist on testing a product when it's already installed – the only way to accurately measure its true performance. It's a pioneering approach that gives you complete peace of mind.

## SATRA Pedatron Test

This test mimics reality by measuring the effect of

**one million steps**

on a confined area of flooring.

Altro's results indicate sustained slip resistance.

## European test EN 13845

This counts particles after wear to give a measure of sustained slip resistance.

**50,000+ cycles**

are awarded top classification 34 / 43, classed as 'very heavy commercial / heavy industrial'.

**Altro safety flooring passes 50,000+ cycles.**

## Ramp Test (DIN 51130)

This measures the angle at which a pedestrian slips on an

**oil-covered ramp.**

The range is from R9–R13, with R9 indicating the least slip resistance.

**Altro safety flooring is R12 and below.**

Only Altro have gone the extra mile to make sure your risk of slipping is 1 in a million

## TRRL Pendulum Test

(BS7976) measures the

**slipperiness of a wet floor.**

≥36 denotes low slip potential.

**Altro safety flooring exceeds the ≥36 rating indicating the lowest potential for a slip.**

# Why Altro safety flooring?

Our products are unique. We invented safety flooring and our pioneering spirit guides everything we do. We're proud of the string of industry firsts to our name, and we're the only manufacturer to put sustainability at the heart of our product design.

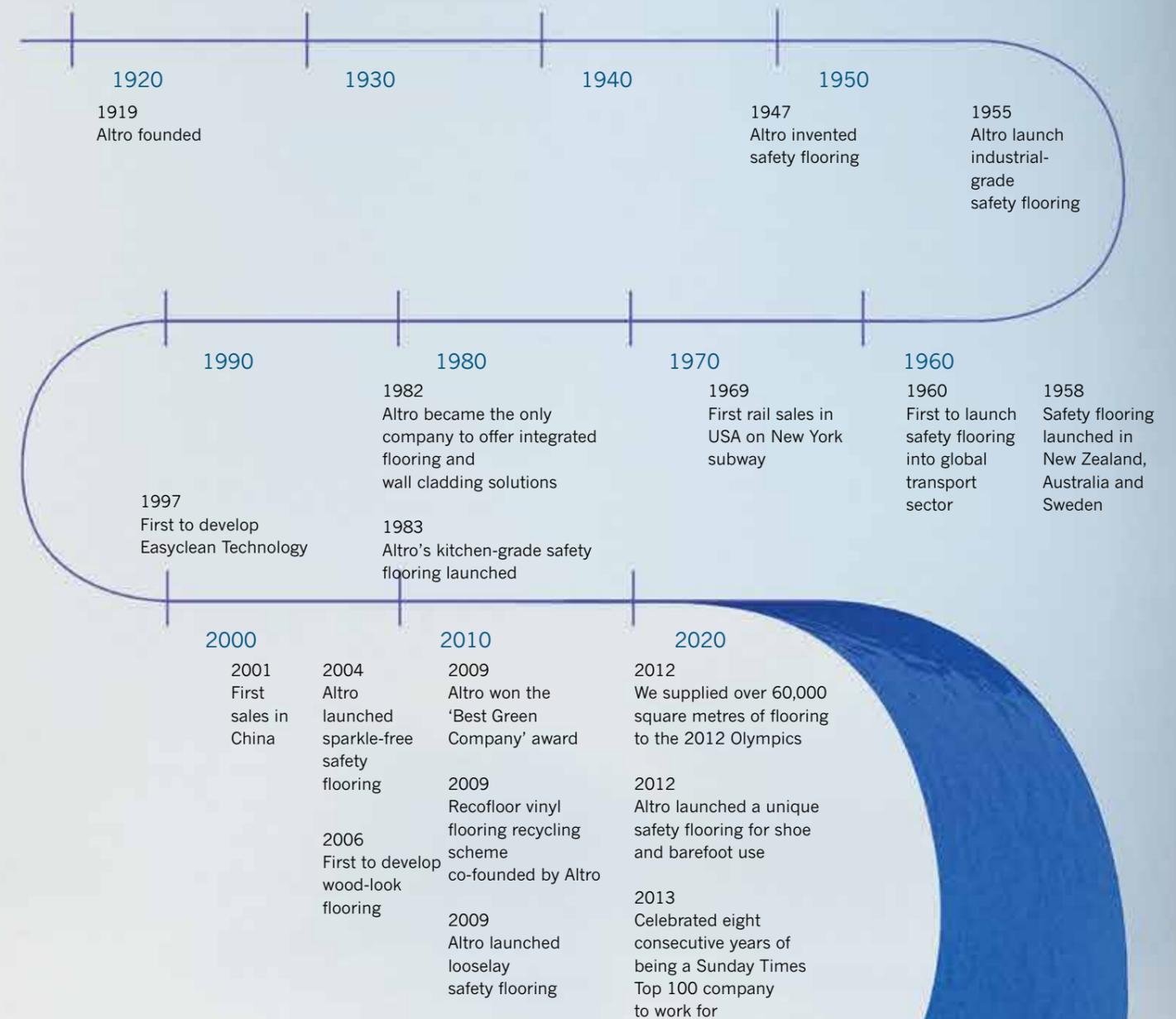
We never stop improving. Right now, we're investing in new technologies to deliver more groundbreaking products that benefit our clients, their customers and our planet. And quality always comes first; we spend years perfecting each product before delivering it to market, and we work hard to ensure the highest standards at every level.

We test vigorously and we're even championing more rigorous testing and greater transparency across our industry – so everyone benefits.

The traditional and new generation manufacturing methods we use both have one thing in common –

the slip-resistant particles in our safety flooring are found throughout the entire wear layer, providing sustained slip resistance for the lifetime of the product.

## 1947 Altro invented safety flooring



The story continues...



# Hygiene

Hygiene is about the total environment, from floor to ceiling. It's about how we create our products: the technologies we use and the properties of our ranges.

We have designed a fully integrated system to make cleaning and maintenance easier for you. Its surfaces are watertight and fully sealed around fixtures and fittings, the sort of detailing that bacteria and micro-organisms just hate, and will help you maintain the strictest levels of hygiene and infection control. It means that you will enjoy the long-lasting hygiene performance of our products, and is just one of the ways in which your future is safer with Altro.

High performance, long lasting,  
hygienic products **which won't let you down**



# Hygienic systems

The European Centre for Disease Prevention and Control estimates that over 4 million patients are affected by around 4.5 million healthcare associated infections in Europe each year. These infections account for 37,000 attributable deaths. That's why we care so much about hygiene. That's why we're so passionate about developing a hygienic system that keeps on delivering in the most demanding environments.

We were the first company to innovate a complete system of compatible wall cladding and flooring. As the system is fully integrated, it fits together perfectly to provide a hygienic, watertight covering. No gaps or rough edges, just a smooth, uninterrupted surface – even around plug sockets, light switches and corners. As well as offering the best possible protection against bacteria and vermin, this makes cleaning easy too.

## A sealed environment

A **hygienically sealed system** of walls, doorsets and flooring – **airtight and watertight all over.**

## System integrity

Joints and junctions are key to system integrity. Altro products offer **smooth and secure joining** methods that prevent the ingress of dirt and moisture.

## Easy to keep clean

Altro products are **non-porous and non-shedding**, so nothing can get in or out. And because they have high impact resistance, **damage that can trap bacteria is unlikely.**

First and only company to innovate a complete integrated hygienic wall cladding and flooring system

# Hygienic materials

Impermeable, easy to clean and tough enough to take hard knocks day after day. That's what hospitals, kitchens and other working environments demand – and that's what every Altro safety product delivers. Our wall cladding and safety flooring are specifically designed to meet today's hygiene regulations, giving our customers complete peace of mind. We only use the finest raw materials, with stringent quality control measures that guarantee high standards and consistency.

## Resistance

Resistant to **water, chemicals, staining and odours**, Altro products are easier to keep clean.

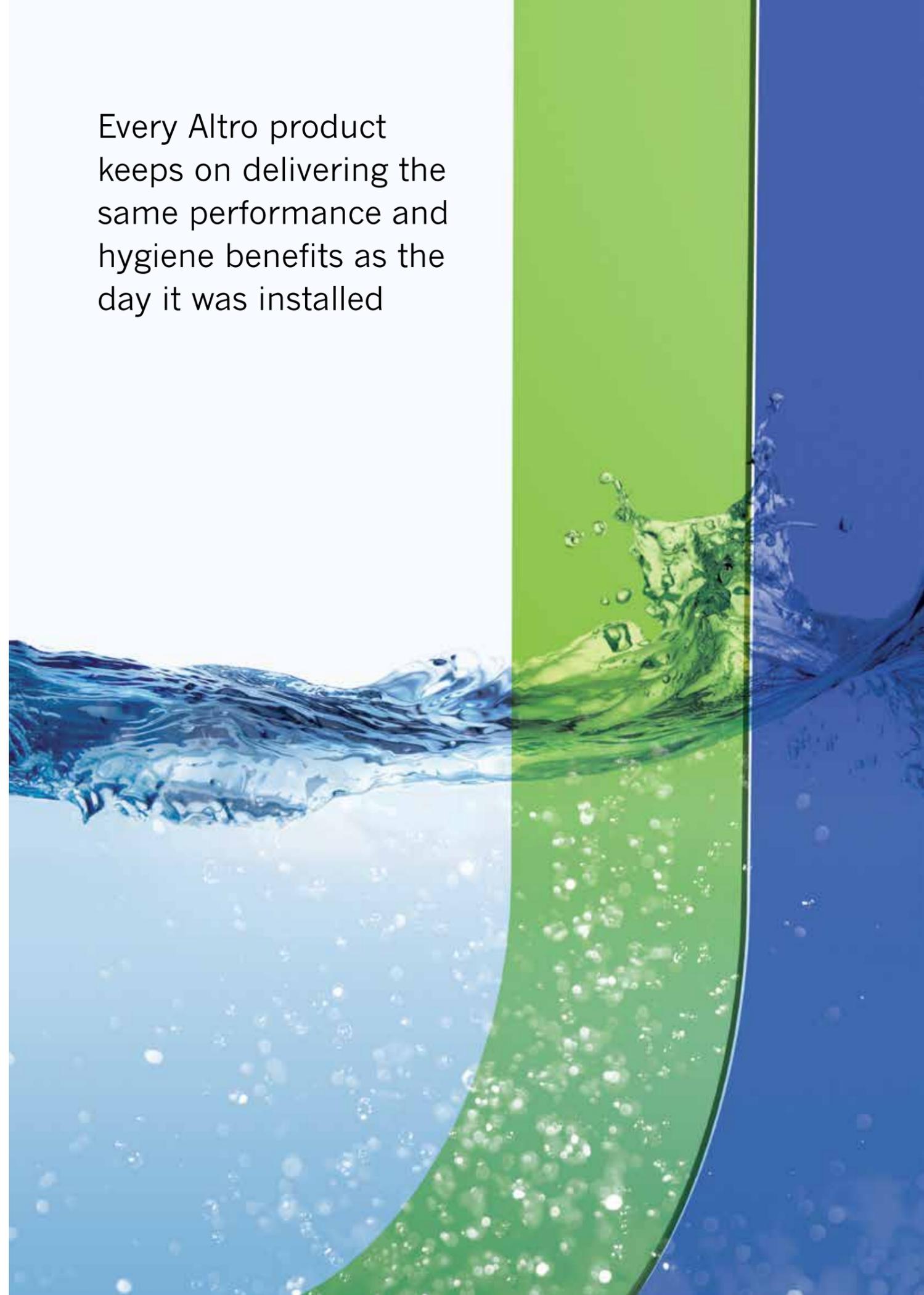
## Hygiene

Altro products are a hygienic **alternative** to tiles, carpet, wood and linoleum, with no grout, unsealed joints or fibres to trap dirt.

## Toughness

**High impact resistance** means no damage that can trap bacteria, **making Altro products easier to keep clean.**

Every Altro product keeps on delivering the same performance and hygiene benefits as the day it was installed



# Maintaining safety and hygiene

Our flooring, hygienic wall cladding and doorsets are developed to support the cleanest of environments. They perform exceptionally well, and will carry on doing so for the lifetime of the installation.

Altro wall cladding and flooring are so popular because they're safe, hygienic and durable. And to make sure they stay that way, it's important to clean them for the lifetime of their installation, something we've made as easy as possible. Altro products are often used in environments where high standards of cleanliness are very important, but hard to maintain due to constant use.

## Healthcare

Altro products are **resistant to chemicals** and designed to withstand tough cleaning regimes for infection control.

## Transport

We can provide a robust, hard wearing surface that **resists odours and chemicals** and has little chance of damage that can trap dirt and bacteria.

## Food prep

Altro safety flooring and wall cladding are **HACCP-approved** and meet Asia Pacific regulations for hygiene and ease of cleaning.

We pioneered Easyclean Technology and continue to push the boundaries in hygiene and cleanliness



# Sustainability

Sustainability drives the choices we make. It starts with the raw materials we choose to go into our products; environmentally-friendly raw materials that enable us to produce phthalate-free vinyl flooring containing bio-plasticisers. Our commitment to sustainability made us the first manufacturer to recycle traditional safety flooring in-house and led to us being first to market 100% recyclable and reusable safety flooring post-installation, which took the flooring industry by storm.

Our Steps to Sustainability programme is our holistic approach to managing sustainability issues. It represents just some of the ways in which we strive to make your future and the environment safer with Altro.

We make your future and your environment **safer with Altro**



# Taking responsibility

We recognise that sustainability is about being both environmentally and socially responsible, while also taking economic impact into account. So, as well as pioneering new recycling processes to reduce waste, we're also engaging with our local community through apprenticeships, and school and university visits. And as well as operating a zero-waste-to-landfill policy for our PVC products, we're proud to have our manufacturing base in the UK, creating national employment opportunities and supporting our local economy as well. We're fully committed to honouring our environmental and social responsibilities, while continuing to provide long term, sustainable and safe flooring and wall cladding solutions too.

## Ingredients

PVC is made from

**57% salt**  
and **43% oil,**

with global PVC production accounting for **just 0.3% of the world's oil consumption.**

## Low carbon footprint

PVC takes

**less energy to manufacture**

than rubber, linoleum and wood-based products. **It can be recycled many times over, without compromising its physical properties.**

## Indoor air quality and VOCs

Altro safety flooring complies with

**international indoor air quality**

schemes, and does not generate significant amounts of VOCs.

In 1954, we became the first manufacturer to produce **phthalate-free** safety flooring, and have continued to do so ever since

Our safety flooring is **free from harmful substances** like lead, cadmium and formaldehyde and contains a bioplasticiser from a renewable European source

# Resource efficiency

At our manufacturing base, we're committed to using resources efficiently and are actively reducing waste, energy and water consumption, and implementing closed-loop recycling processes. We've operated a zero-PVC-waste-to-landfill policy since 2014 by investing in, and installing, the world's first safety flooring recycling system. Altro are one of two founder members of Recofloor™, the industry's vinyl take-back scheme which collects vinyl off cuts and diverts them from landfill. We also set up Recowall™, the UK's first wall cladding recycling scheme.

## Recyclable

Not only do we **recycle hundreds of tonnes** of safety

flooring each year, but our products contain up to 20% recycled content.

## Resource efficiency

We achieved **zero waste** to landfill in 2014; waste is either recycled or incinerated with energy recovery.

## Accreditation

All Altro safety flooring has a **BRE Generic Green Guide rating of A / A+.**

We've achieved 0% waste-to-landfill

# The Altro promise

We care strongly about each other, our customers, our work and the environment. We place our customers first in everything we do and encourage collaboration between our colleagues and our customers. As a family run business we share our family values with everyone we work with, as well as each other.

We're committed to supplying high performance flooring and wall cladding in all aspects of service and support. This starts with your initial enquiry and then continues through installation. And we're still there to listen to you and help you, afterwards, whatever your query. Our customer care and technical services teams help keep your investment in Altro safe for the life of the product: when you tell us that you're happy, that makes us very happy indeed. We will offer an exceptional customer experience and continually put your needs at the heart of what we do, making sure your future is safer with Altro.

We place our customers at the **heart of everything we do**



# Valuing our customers

Valuing our customers is at the heart of what we do. We make our products for you and we go out of our way to make every part of your experience with us a positive and rewarding one. From product quality testing to consultant support, long warranties to site visits, maintenance support and Continuing Professional Development training, we take care of everything so you don't have to. And of course, The Altro Assurance is a recognisable testament to our dedication to customer satisfaction.

Our Voice of the Customer programme helps us to stay in touch with our customer's needs, wishes and opinions. All Altro employees take part in the programme as we feel it's vitally important we meet our customers and find out what they think. Customer feedback is circulated throughout the company and used to improve the way we do things.

## Partnering with you

We'll add value and take

**total ownership** of

a project from concept to completion. We work with nearly 150 partners worldwide.

## Supporting you

We stand by our products and back them over their lifetime with

**full technical support,**

so you're supported all the way.

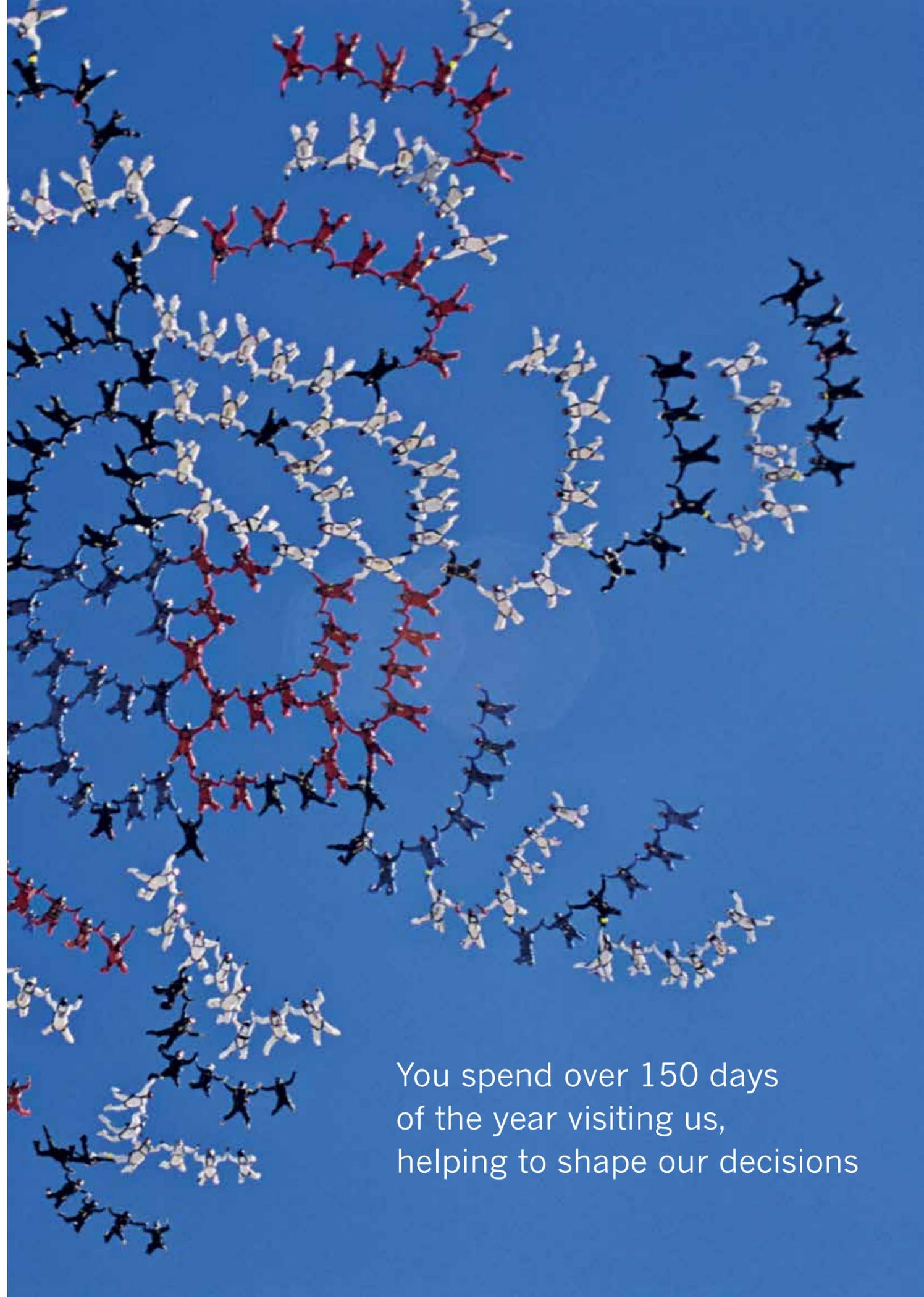
## Valuing you

Because your

**peace of mind**

matters to us, we offer you some of the longest warranties in the industry.

You spend over 150 days of the year visiting us, helping to shape our decisions



# Valuing each other

Great products and outstanding service are only possible with great people. That's why we invest so much in fostering positive working relationships within Altro. Being a family run business affects how we treat each other, and valuing each other is the cornerstone in the way we work. It's reflected in the company culture where enablement, empowerment and opportunity are nurtured.

We're always ready and willing to share our own expertise in sustainable decision-making with you – because together we really can make a difference.

## Employee wellbeing

All new employees have access to an

**extensive support network**

and attend workshops in employee wellbeing.

## Family values

Altro – we've been a

**family run** business with **family values**

for three generations.

## Learning and development

We encourage a

**learning culture**

where everyone has the opportunity to achieve their potential.



# Our key sectors

We operate in diverse sectors. Our core customer bases are in health and social care, food and drink, and education, as well as transport, where safety and hygiene are of paramount importance. We also operate in other sectors that need safety flooring and wall cladding for tough environments. These include leisure, retail and offices, prisons and defence centres, and manufacturing and warehousing.

Diverse sectors.  
**Global reach. Local touch.**



# Health and aged care

The most demanding environments need hygiene and safety with long-lasting resilience. Altro integrated flooring and wall cladding offer just that, and more; they're attractive too and will retain their looks for life. So once you've created a beautiful, calming interior for your patients, residents and staff, you know they'll enjoy it for years to come.

Our products are sustainable and can easily cope with the demands of heavy pedestrian and wheeled traffic. And for more specialist applications, we've developed specific solutions with industry experts that can help enhance well-being.



# Food and drink

Food and drink preparation and production areas can spell danger with grease, fat, cooking oil, flour, baking powder, food particles and the occasional chopped carrot ending up on the floors and walls. Yet everyone from the canning manager on the night shift to the four-year-old sitting down to lunch needs to be safe. Altro's sustainable flooring and wall cladding systems provide long-lasting safe and hygienic surfaces for wet, dusty and greasy conditions. And they can be combined to create visually striking eating areas, functional factories or practical and comfortable serveries.



# Education

Painting sunflowers, exploding a home-made volcano, the starring role in Hamlet; the dramas of growing up all take their toll on your floors and walls. But from nursery to university – we have the needs of crawling toddlers through to towering graduates covered. It's why we combine safety and hygiene with durability and resilience.

As the needs of your learners evolve with time, your needs will too, and so too will the ways we can help you. Our sustainable flooring and wall cladding provide flexible and robust solutions for changing environments, stimulating young minds and contributing to an enjoyable working environment.



# Transport

Altro Transflor has been satisfying the diverse needs of commuters and day trippers in buses and on rail for decades. And, if the unexpected happens, we'll have taken care of the emergency ambulance too. Our products deliver safety and comfort and design; backed by compliance with the latest international regulations. But we haven't neglected our softer side. We can do pretty too. We have exciting designs and colours that will help create the 'wow factor' and set the right mood. Investing in an Altro Transflor product is an investment in a complete system – a full range of accessories, including adhesives, colour co-ordinated weld rods and sealants, nosings, trims and mouldings is available.

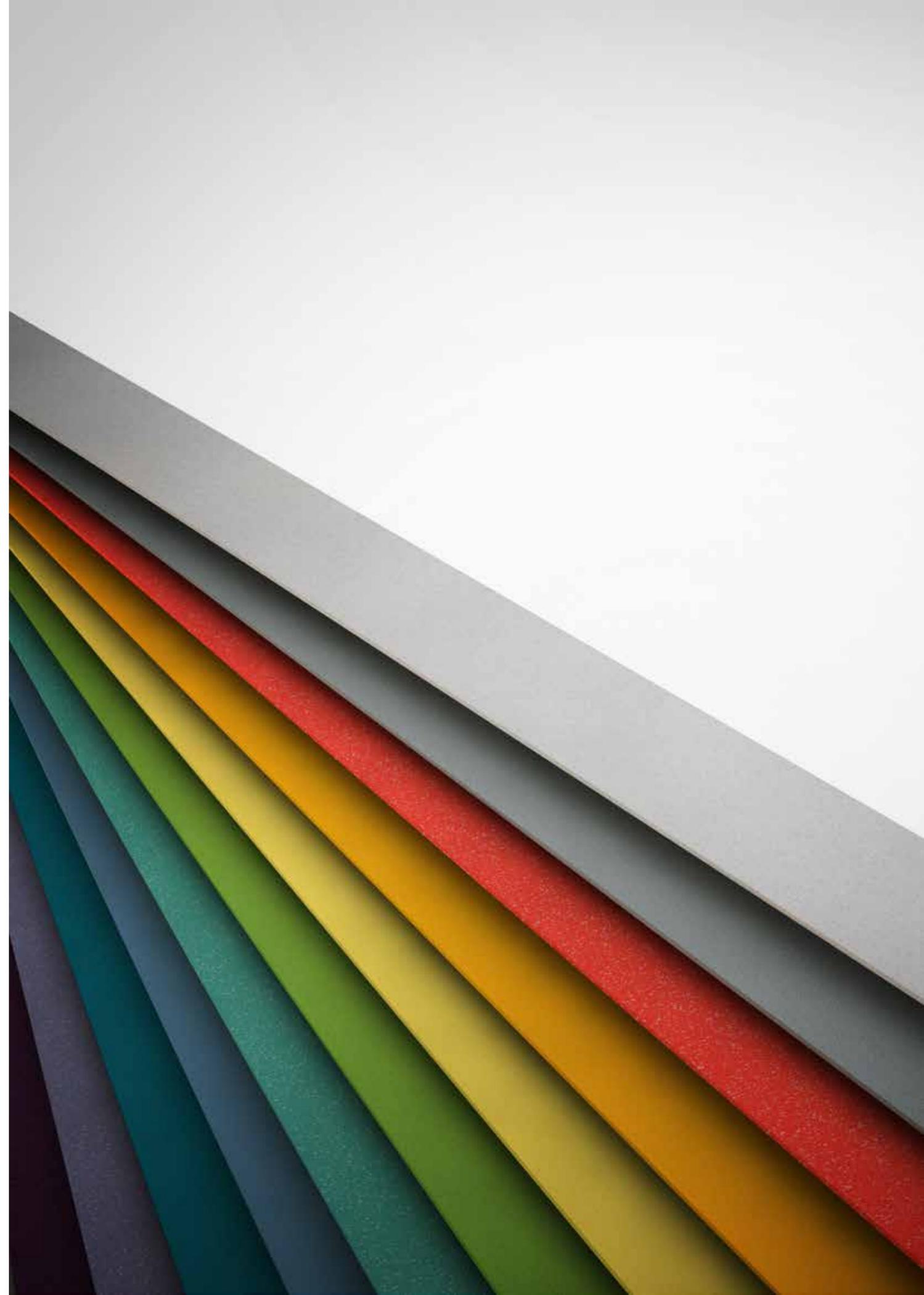


# Products

## Flooring

### **Altro safety flooring**

Altro invented safety flooring and we still love pioneering new products in this area. Available in heavy duty, versatile, inspirational and specialist solutions, our resilient flooring exceeds international safety and hygiene standards and offers sustained slip resistance for the life of the product. With up to 42 colours per range, you can create contemporary or traditional interiors which are designed to impress.



## Hygienic wall cladding and doorset systems

### The complete Altro Whiterock hygienic system

We invented hygienic wall cladding systems back in 1982. Since then, we've gone from strength to strength to bring you even more choice in one fully integrated system. Altro Whiterock is not just a PVCu sheet. It incorporates wall cladding and doorsets, designed for compatibility not just with the Altro Whiterock range, but with Altro safety, resin, smooth and rubber flooring too.

### Accessories

The genius is in the detailing! Altro Whiterock is a fully bonded system, so the right adhesive is a must. Choose the right jointing, weld rod and sealant to suit your needs depending on your requirements for design, hygiene, quality of finish and aesthetics. Then simply take a step back and admire a job well done.

