



altro

the future is safer with altro



## WORLD CLASS HYGIENIC FLOORING AND WALLING SOLUTIONS FOR THE FOOD AND DRINK PRODUCTION INDUSTRY

Resin Flooring, Hygienic Walls, Safety Flooring

[www.altro.com](http://www.altro.com)



## Food and Drink production – industry demands and product solutions

Food and drink production places stringent demands on the fabric of the buildings in which it is housed; the premises contain, protect and facilitate the main production process. The performance of hygienic flooring and walling products is essential in these demanding environments. Floor finishes in particular are fundamental to the ongoing success of any operation and must satisfy the needs for durability, abrasion, impact and chemical resistance, whilst providing ease of cleaning and associated hygiene.

Altro are a British manufacturer offering a specialist solution for any project from meat processing to finished production, low risk to high care, bulk storage to bakery, brewing to bottling, dairy handling to product despatch. We offer you high quality proven products that enable you to meet all appropriate EU Food Hygiene Regulations, HACCP and Health and Safety legislation.

Providing a superior service in partnership with our selected network of independent contractors, we are able to coordinate with suppliers of other essential items such as drainage, kerbs and impact protection, to bring you a comprehensive, competitive, turn-key solution.

Beyond key production areas, we have a broad selection of interior surfaces encompassing your entire building, including corridors, meeting rooms, changing areas and showers, ensuring safety and hygiene for all personnel and easing your workload.

### Buy with confidence

Altro have earned an international reputation for the manufacture and supply of high performance flooring and walling systems, with many years of experience working with the food and drink industry. Founded in the UK in 1919, with a turnover in excess of £120 million, we remain a wholly-owned British manufacturer and supplier of interior surfaces.

Buy with confidence, in the knowledge that all Altro products are backed by long warranties and the Altro Assurance of Customer Satisfaction. Altro offer support through every stage of the process, visit [www.altro.com/resins](http://www.altro.com/resins) to find out what we can do for you, or contact one of our Technical Sales Representatives for product and technical information and written specifications on 01462 707607 or via e-mail [technicalcontracting@altro.com](mailto:technicalcontracting@altro.com).

We have been very pleased with all the Altro products throughout the rest of the factory which have been down for more than eleven years. So, we were very happy to go back to Altro. “The flooring has to be slip resistant and easy to clean as well as withstanding the impact of trolleys, high temperatures and thermal shock, and has to be chemically resistant to the spillage of sugars and salts.”

*Chris Wainwright, Bakery Manager, Cooplands Bakery*

**+44 (0) 1462 707600**  
**[www.altro.com](http://www.altro.com)**

## Altro Polyurethane & Epoxy Resin Flooring

### Functional, hygienic and decorative

Altro have been a specialist manufacturer of epoxy and polyurethane resin flooring for over 25 years winning prestigious awards. We are the only manufacturer to be voted as FeRFA manufacturer of the year for four years in succession. This was decided by contractor vote comparing product quality, service, warranties and prices, between major manufacturers in the UK market. Furthermore, this was achieved whilst being the only UK manufacturer of resin flooring to achieve ISO 14001 environmental accreditation as part of our industry-leading environmental policy.

Resin seamless floor systems are perfect for the most demanding industrial food and drink processing areas, where being able to withstand heavy abrasion, high temperatures, point-loading and impact may be required. Whilst providing durable performance, Altro resin flooring also respects the legislation affecting the food & drink industry, by being hygienic, slip resistant, easy to maintain and yet remains very cost-effective. For additional peace of mind at no extra cost, a biocide can also be embedded to support surface hygiene by inhibiting bacterial growth.

Our decorative and functional resin flooring systems can be used in many areas of a manufacturing facility; from the main process areas and wash-down bays, to canteens, corridors, staff changing areas or even reception areas.

Two examples are detailed overleaf, but please visit [www.altro.com/resins](http://www.altro.com/resins) to discover more about our full resin range and find the right product to meet your requirements.

Altro have also contributed content to Campden BRI Research Association Group's publication Guidelines for the Design and Construction of Floors for Food Production Areas, which provides a great deal of useful information.

Should you have any flooring installation queries, please consult contact your local Altro Representative.





## Altro SoloSafe™

### Durable, hygienic and decorative

As an innovator in resin flooring, Altro have led the way in low-odour rapid-cure resin systems with Altro SoloSafe. This product is a decorative self-sealing quartz screed which cures (to walk on) in only 5 hours at 20°C and is ready for full service in less than 18 hours. It lacks the harsh odours of other rapid-cure systems on the market. Altro SoloSafe achieves a minimum pendulum slip resistance value of 45 when wet, is rated R11 and carries a 10-year warranty.

Other hygienic but increasingly decorative Altro epoxy resin floor finishes offer solutions for many areas within food and drink processing facilities, from functional areas to main reception, further ideas are available on request.

### Altro SoloSafe - Features & Benefits

- 10 year warranty
- Available with Altrosan™ bacteriostat, naturally suppresses bacterial growth
- Campden BRI tested and approved
- Very low taint, solvent-free
- 5mm thickness
- Excellent slip resistance
- Decorative
- Also suitable for barefoot and changing areas
- Excellent abrasion resistance
- Cures to walk on in only 5 hours & bloom-resistant at 20°C (subject to chemical resistance chart)

To view our full range of resin products, download data sheets and NBS specifications, please visit

**[www.altro.com/resins](http://www.altro.com/resins)** or call **01462 707700** to request samples and a copy of our resins brochure, or to request a visit from your local Altro representative.



## AltroCrete™ PU

### Hygienic and durable

AltroCrete PU, which has been extensively used in the food and drink manufacturing industry, has been independently tested by Campden BRI (formerly CCFRA) for taint-free installation and hygienic performance. It has excellent impact and chemical resistance including resistance to many organic acids found in foodstuffs.

With an operating temperature range of -40°C to +120°C, it is hard-wearing, has zero water absorption and is easy to clean. Backed by a standard 15-year warranty, many food & drink manufacturers choose AltroCrete PU for their flooring requirements.

Polyurethane flooring is most suited to functional and processing areas, but other products within the Altro resin range provide a variety of performance characteristics to satisfy diverse operational requirements.

### AltroCrete PU - Features & Benefits

- 15 year warranty on 5-9mm options
- Contains Altrosan™ bacteriostat
- Campden BRI tested and approved
- Non-taint
- Various systems can be installed at 2-9mm
- Excellent chemical resistance
- Excellent thermal shock resistance\*
- Steam cleanable\*
- Meets EU food safety directives
- Excellent abrasion resistance
- Fast cure version available

\*Minimum 8mm thickness



### Products installed: AltroCrete PU

Health and safety in food production environments are vitally important. The high temperatures in the oven area, along with the risk of greasy surfaces, mean that the floor covering needs to be both practical and slip resistant for our staff and durable enough to cope with the demands of this busy environment. The new resin floor supplied by Altro fits the bill perfectly.

*Mos Kalbassi, Divisional MD, 2 Sisters Food Group*



## Altro Whiterock™

### Hygienic walls, doorsets and ceilings

Altro Whiterock wall cladding is a grout-free, hygienic, impact-resistant, wall surface which can be applied to structural walls, used to refurbish or protect free-standing insulated panels or as a durable covering for tiles. It can be used on internal walls, to protect or renovate, in areas where impact damage is often present. The range provides food-safe, smooth, practical surfaces that offer rapid installation to produce a low-maintenance, hygienic & easy-clean wall-finish, so beneficial in environments where food or drink is being handled.

Altro Whiterock is unlike less-durable cladding, in that a fully-bonded system is used with edges, abutments and jointing systems sealed effectively. It remains airtight and watertight, and as nothing can get behind the sheet, there's no hidden contamination or infestation to cause greater problems.

Tests carried out by the Food Hygiene Department of Campden BRI Technology also demonstrate that Altro Whiterock is impervious to water and fully compliant

with the European Directive on the Hygiene of Foodstuffs. Forming a continuous smooth, tough surface, with good chemical/stain resistance, Altro Whiterock wipes clean in an instant and when used in conjunction with an impervious Altro flooring product, a watertight 'tanked' system can be achieved.

Extending the performance benefits of Altro Whiterock, our compatible ceiling systems offer the option for sealed lighting so that they can be washed down, providing a completely hygienic envelope for your process.

The hygienic durability of Altro Whiterock is put to further use in the manufacture of Altro Whiterock hygienic doorsets, which include frames, for use in the hygienic operating environment, providing impact resistance and ease of cleaning whilst meeting the statutory regulations with regard to fire protection and integrity.

The Altro Whiterock system, like other Altro products delivers on the promise to support the all-important production at your facility with minimal intrusion, downtime and reduced cost throughout their extended life-time.



### Product installed: Altro Whiterock wall cladding and ceilings

With food-related health scares and allergies in the headlines, we have to ensure that we continue to meet the rigorous hygiene requirements you'd expect in a busy food production environment. Altro Whiterock gives a sealed finish with no joints where dirt or bacteria can build up, meaning we can produce high quality, fresh ice creams and sorbets with great peace of mind.

*Peter Fryer, owner English Lakes, Ice Cream Factory*

### Altro Whiterock - Features & benefits

- Up to 20 year warranty
- Up to 25 year + life expectancy
- Campden BRI tested and approved
- Fire tested to BS476 Part 6 & 7
- Easy to clean and maintain
- Contain Altrosan integral bacteriostat
- Service temperature: -10°C to +60°C
- 2.5mm thickness
- Can be welded
- Doorsets, ceilings and wall cladding available in complementary system
- Can be recycled under Recowall™ scheme
- HACCP approved
- Altro Whiterock White and Altro Whiterock Satins are the only semi rigid pvcu wall cladding with a BREEAM A rating
- Fire tested to the European standard EN13501-1 and achieves B s3 d0, VOC emissions below the detectable limit
- Products are CE marked



## Safety Flooring

### Hygienic, decorative and slip-resistant

As pioneers of safety flooring since 1938, Altro provide an unrivalled choice in product selection with improved cleanability and comprehensive warranties. Altro offer you a wide variety of product innovations to satisfy the demands posed by modern processing facilities, to create successful but stimulating environments.

Altro safety flooring has been put through its paces by the food and drink industry for the past 50 years. Steel mezzanine decks, offices, corridors, reception and changing areas are all suited to a slightly softer, more flexible but hygienic and durable floor-covering.

### Altro safety flooring - Features & benefits

- 7-15 year warranties available
- Seamless, impervious and hygienic finishes
- Slip-resistances to suit wet, dry or dusty environments
- Static-dissipative available for locations where static build-up must be avoided (e.g. computer rooms)
- Increased comfort for operatives
- Decorative options, plain and chipped, wide choice of colour
- Altro Easyclean Maxis Technology™ for improved cleanability
- Contain Altrosan™ integral bacteriostat
- PUR option available for up to 60% cleaning and maintenance savings
- Integral bacteriostat for hygiene and bacteria control
- Can be recycled under Recofloor™ scheme
- HACCP approved

To view our full range of wall cladding and safety flooring products, please visit [www.altro.com](http://www.altro.com) or call 01462 707700 for samples and a copy of our product portfolio, or to request a visit from your local Altro representative.





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