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## Industrial News

### Altex Introduces Hygienic Finishes



This range of finishes has been developed using the well-proven Ultra-Fresh technology from Thomson Research Associates Inc.

#### What is Ultra-Fresh?

- Ultra-Fresh is an anti-microbial added to our coatings during manufacture. It is versatile and multifunctional to inhibit the growth of a wide spectrum of bacteria, fungi, mould and mildew to preserve hygienic freshness.
- Manufactured in Canada by Thompson Research Associates Inc., leaders in high performance anti-microbial technology.

#### What are the Ultra-Fresh benefits?

- **Hygiene**; by reducing the number of germs that can be transmitted, whether in hospitals, food processing facilities, public buildings, dairy, meat, fish and processing plants.
- Reducing allergenic and respiratory ailments by reducing the proliferation of moulds and mildew (i.e. fungal spores) and controlling the house dust mite.

#### How is Ultra-Fresh applied?

- Always incorporated into the coating during manufacture or with specialized point of sale metering and mixing equipment.
- **Physically bonded into the coating and onto the substrate to provide maximum longevity and performance.**
- **Evenly distributed throughout the cured paint film the Ultra-Fresh is continually available and active even as the coating wears.**

#### Is Ultra-Fresh Safe?

- All Ultra-Fresh products are approved initially by the Environmental Protection Agency (EPA) in the United States before release onto the world market
- Ultra-Fresh has a 50+ year track record world wide for its "safety in use"
- All of the Ultra-Fresh products are registered and comply with the additional legislative and regulatory authorities in the countries they are sold worldwide
- **The Ultra-Fresh treatment is used worldwide to treat products for a multitude of end uses ranging from hospital sterile rooms, air conditioning units, food processing & preparation**

facilities, dairy plants, toilets & rest-rooms, etc.

### Ultra-Fresh Controls bacteria and moulds

#### Bacteria:

- Bacteria rely on a food source to survive and replicate and this food source could be something as simple as the sweat from your body being left behind after touching walls, doors or equipment etc.
- Bacteria breaking this food source down in the process of reproducing and spreading themselves cause most smells and odours.
- Bacteria are the cause of all infections and virtually all illnesses.
- As not all bacteria are necessarily bad for us, the Ultra-Fresh treatment is not a broad-spectrum treatment; rather it is engineered to target the specific organisms that will create either a health risk or product deterioration.
- **Bacteria are effectively destroyed when they come into contact with an Ultra-Fresh treated product.**
- **Ultra-Fresh has been proven effective against all top 15 bacteria which cause hospital acquired infections.**

#### Moulds and Mildew

- Moulds and Mildew are microscopic organisms found virtually everywhere indoors and outdoors; they are often seen due to the discolouration they cause and are noticeable by the accompanying damp or musty odours they generate.
- Extended exposure to mould leads to increased infections of the lower respiratory tract and in severe cases can even cause death.
- Mould and mildew spores are effectively destroyed when they come into contact with an Ultra-Fresh treated product.
- **By preventing the establishment of mould and its subsequent growth into a potential health hazard, surfaces coated with Ultra-Fresh treated coatings will help preserve the hygienic freshness of your environment and provide an effective measure of control over the potential serious health issues**

At present four Altex finishes have been tested and approved. More finishes, including flooring coatings, are expected to be introduced to the market in the very near future.

#### How much Ultra-Fresh is needed?

The active ingredients are applied at very low concentrations – even at high levels the selected and tested active ingredient used in Altex paint finishes is effectively non-toxic to humans or animals.

#### Altex Coatings and Ultra-Fresh – Efficacy Tested Products\*\*

Quantitative Assessment of Activity – JIS Z 2801:2006**			
Concentration of inoculum – K. pneumoniae		log 1.29 x 10 <sup>5</sup> CFU/mL	
Inoculum specimen cultured by incubation on coating sample for 24 hours at 37°C			
Product	% Ultra-Fresh	Bacteria Recovered	% Survival
E-Line 379 Gloss	0.15% w/w	1.50 x 10 <sup>2</sup>	4.3%
Isotal Gloss Enamel	0.15% w/w	<5.00 x 10 <sup>1</sup>	<0.1%
Tru-Glaze-WB Gloss	0.30% w/w	1.98 x 10 <sup>3</sup>	0.1%
Tru-Glaze-WB Semi-Gloss	0.15% w/w	3.83 x 10 <sup>2</sup>	<0.1%

\*\*Reference Test Report #2322135, 20/12/2007, Thomson Research Associates Inc.

**Note:** To ensure batch to batch efficacy all Ultra-Fresh treated Altex products, the addition level of Ultra-Fresh has been set at the higher level of +0.3% w/w

**Disclaimer:** Treatment with Ultra-Fresh Antimicrobial Additive is not intended as a substitute for good hygiene or to prevent food-borne or infectious illnesses.

For more information go to [www.ultrafresh.co.nz](http://www.ultrafresh.co.nz) or [contact us](#).