

Pathwest

Project Review October 2016

Overview

A&I Coatings Vitreflon 700 Clear Satin plays a key role in protecting the UV printing ink on this sensational compressed fibre cement façade.

Vitreflon 700 is a two pack spray applied fluoropolymer paint which displays the unique attribute of dramatically increasing the colour retention of UV printing ink when applied as a clear topcoat.

Using Vitreflon 700 as a protective coating over printing inks now gives architects and asset owners a whole new world of choice when it comes to designing striking and visually appealing facades.

Vitreflon 700 is a versatile product which can be supplied in a range of gloss levels, and in an unlimited colour range.

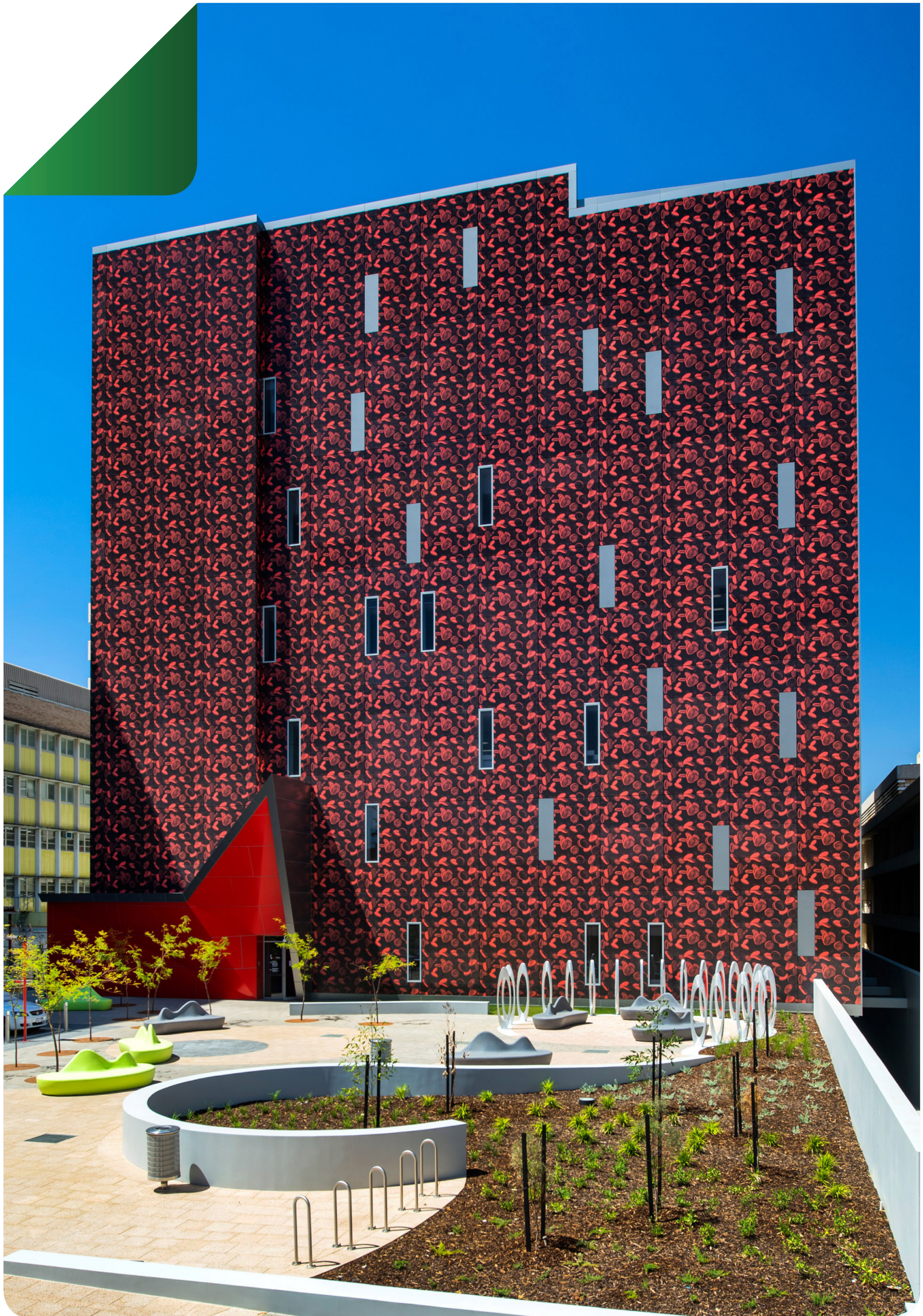
Vitreflon coatings when used as a solid colour carry a 15 year warranty against fading, chalking and discolouration and when used to protect UV printing ink can be expected to prevent colour change in the ink in excess of 15 years.

In the following pages we would like to introduce you to some of the chemistry behind Vitreflon coatings and why they display unsurpassed durability against fading, chalking and discolouration.



1800 819 585 | sales@aicoatings.com
www.aicoatings.com

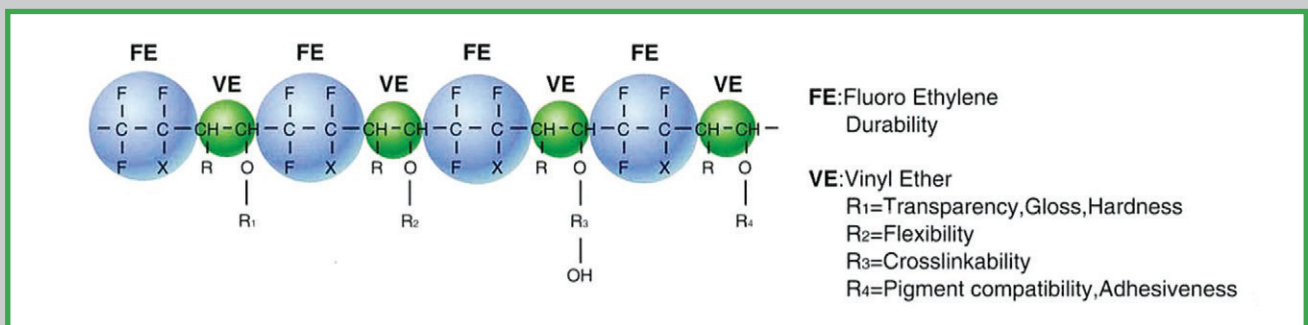
Façade Manufacturer: Vitragroup



The Chemistry

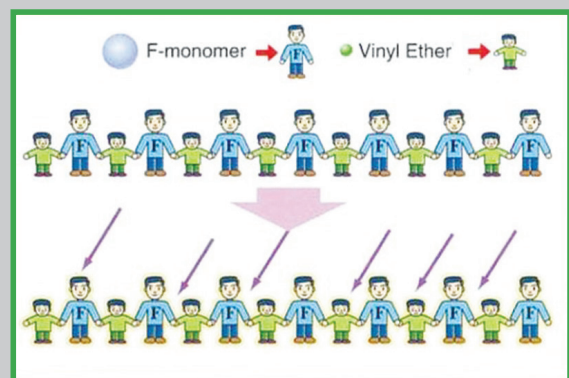
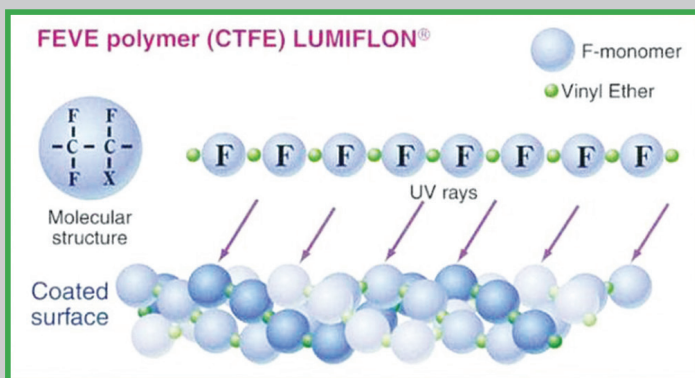
What is Fluoropolymer Technology?

The polymeric structure of a Fluoropolymer is a very systematic arrangement of fluoro-ethylene and vinyl-ether molecules. This image demonstrates the arrangement, and also shows that each fluoro ethylene molecule has 3 fluorine atoms as opposed to two in PVDF or PVF2 coatings.



Why is Fluoropolymer so durable?

1. The fluoroethylene molecule derives terrific integral strength from it's high frequency of fluorine atoms
2. The carbon-fluoride bond energy in fluoroethylene molecules is far greater than the energy of UV rays
3. The fluoroethylene and vinyl ether units are arranged in an alternating sequence – this means that the strong and stable fluoroethylene unit protects it's neighbouring vinyl ether unit – just like the father protecting his son below





Freecall: 1800 819 585

E: helpdesk@aicoatings.com

F: 02 4869 3031

www.aicoatings.com

Postal: PO Box 820 Moss Vale NSW 2577
Head Office: 7 Lackey Road Moss Vale NSW 2577