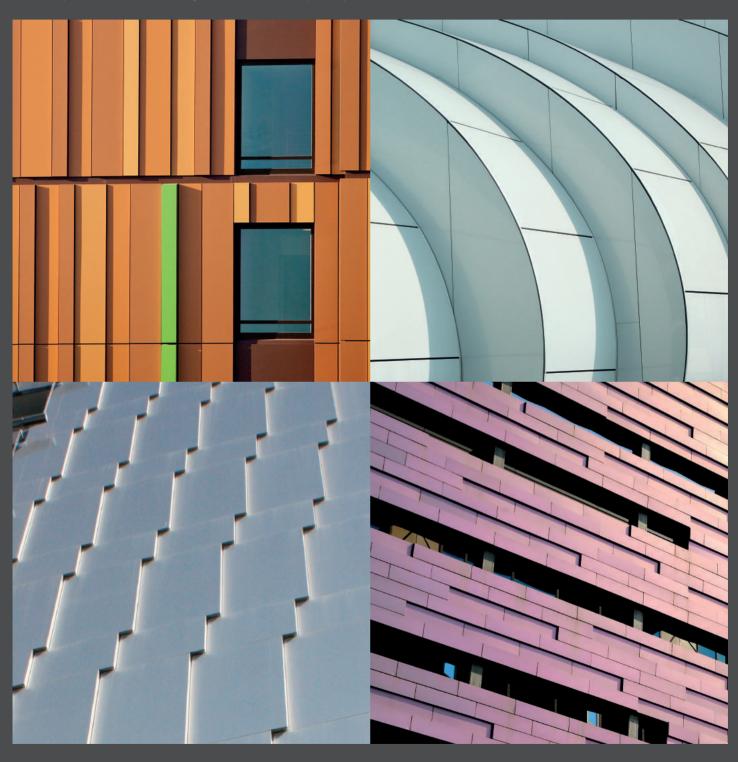
ALUCOBOND®

QUESTIONS AND ANSWERS

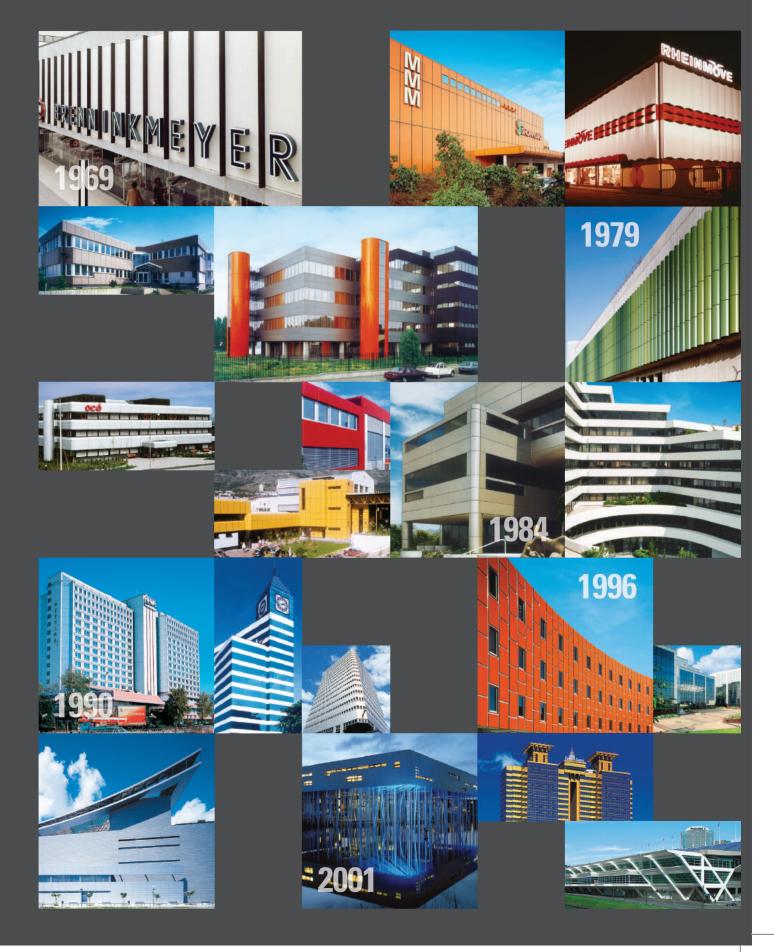
Creative possibilities with the original, aluminium composite panel



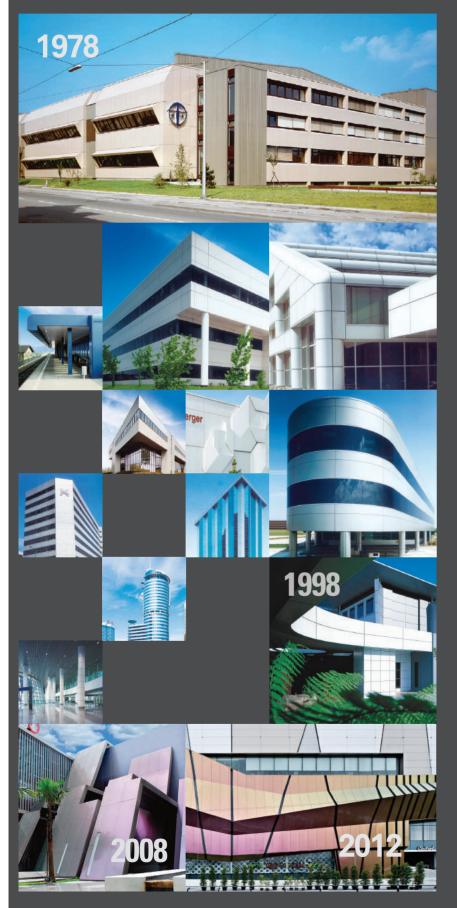


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ALUCOBOND° 43 YEARS OF EXCELLENCE



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Since its market debut in 1969, ALUCOBOND® has helped to revolutionise the architectural appeal and functional performance of buildings around the globe.

Cities and skylines have swiftly evolved over the last 43 years with new materials and techniques emerging to enable architects to push the boundaries of the previously imaginable. Despite an influx of new materials and ideas, not many have been able to maintain the same standards of quality and durability offered by ALUCOBOND®. For the purpose of comparison, we have compiled some case studies in the following pages. As such, we are proud to reaffirm the contribution made by ALUCOBOND®, over its 43 years history, to the architectural landscape of cities around the globe.

With a strong focus on innovation, we are dedicated to an advancement of the quality and functionality of our products. With a global manufacturing and research network we are able to tap into advances in new materials and surfaces to keep ALUCOBOND® ahead of its rivals in terms of creativity and versatility

Your Global ALUCOBOND® Team

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Common Problem #1:

UNEVENNESS

Rrand

OTHER COMPOSITE PANELS



OTHER ALUMINIUM COMPOSITE PANEL

When factors such as support structure, panel size and wind or heat loss are similar, the susceptibility to material sag and warp is higher and more visible in many products which claim to be "equivalent" to ALUCOBOND®



ALUMINIUM SKIN

RECYCLED POLYETHYLENE CORE

ALUMINIUM SKIN

MICROSCOPIC PICTURE

BRAND: "M" TESTED BY: MAEK CONSULTANT PTE LTD DATE: 14 NOVEMBER 2008





0.45mm

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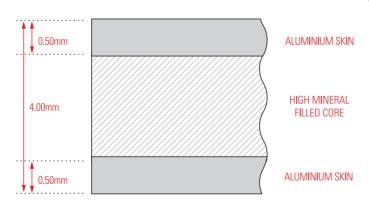


PERFECT FLATNESS

Brand: ALUCOBOND®

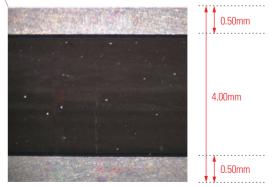


ALUCOBOND PANEL



MICROSCOPIC PICTURE

BRAND: ALUCOBOND PLUS TESTED BY: MAEK CONSULTANT PTE LTD DATE: 14 NOVEMBER 2008



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^{*}SYSTEMS PATENTED IN PEOPLE'S REPUBLIC OF CHINA

Common Problem #2:

DELAMINATION

Rrand

OTHER COMPOSITE PANELS



MICROSCOPIC PICTURE

BRAND: A1 TESTED BY: MAEK CONSULTANT PTE LTD DATE: 14 NOVEMBER 2008

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PROVEN QUALITY SINCE 1969

ALUCOBOND®



BRAND: ALUCOBOND PLUS TESTED BY: MAEK CONSULTANT PTE LTD DATE: 14 NOVEMBER 2008

composite materials.

Common Problem #3:

CRACKS AND DENTS

Rrand.

OTHER COMPOSITE PANELS

ROOT CAUSE 1 Use of inferior

- 1 Use of inferior aluminium alloy (eg 1xxx series)
- 2 Inconsistent panel thickness can result in weaker panels
- **3** Use of recycled polyethylene core materials
- 4 Use of incorrect fabrication equipment





ALUMINIUM ALLOY

1xxx series aluminium alloy is an inferior metal commonly used in cooking pots and pans.

Its lacks of tensile strength may result in pressure cracks

Its lacks of tensile strength may result in pressure cracks and dents when used in composite panels.









CONSISTENT CORNERS AND CURVES

Rrand[.]

ALUCOBOND®



Common Problem #4:

COLOUR FADING, PEELING & INCONSISTENCIES

Rrand¹

OTHER COMPOSITE PANELS



FLORIDA EXPOSURE 45 SOUTH. EXPOSED SINCE 1987



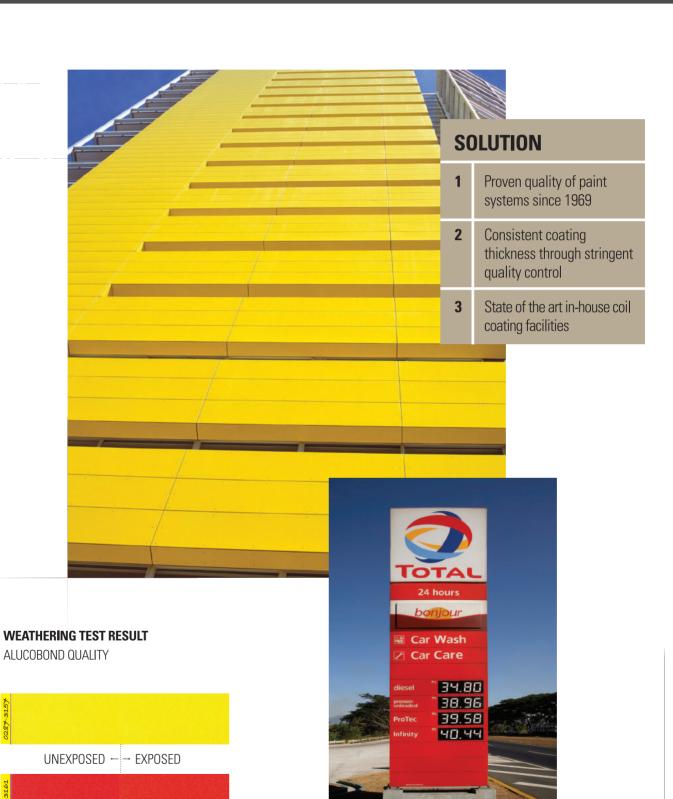




LONG COLOUR DURABILITY

Rrand[.]

ALUCOBOND®



FLORIDA EXPOSURE 45 SOUTH. EXPOSED SINCE 1987

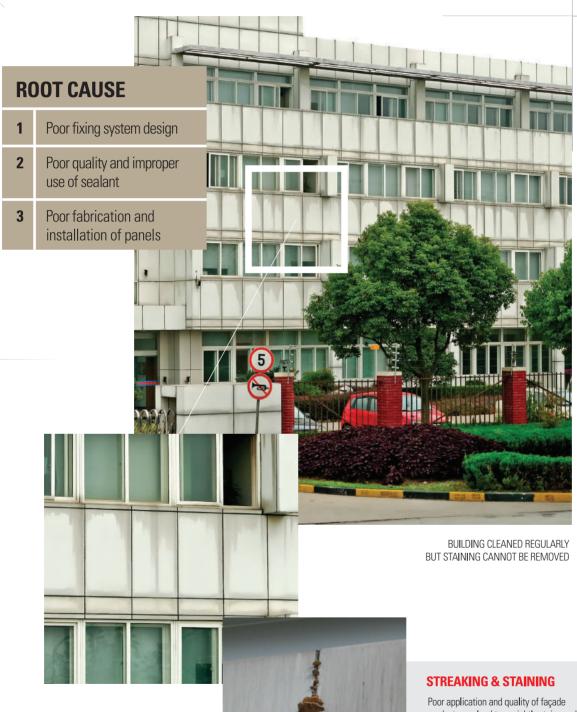
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Common Problem #5:

STREAKING & STAINING

Brand.

OTHER COMPOSITE PANELS



Poor application and quality of façade products can lead to unsightly stains and fungal growth.

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LONG-TERM FAÇADE CLEANLINESS

Brand

ALUCOBOND®



*SYSTEMS PATENTED IN PEOPLE'S REPUBLIC OF CHINA

OPEN JOINT FIXING SYSTEM

Common Problem #6:

POORLY CONSTRUCTED FAÇADE

Brand.

OTHERS



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INNOVATIVE FAÇADE SOLUTIONS

Brand[.]

ALUCOBOND®



GRAND INDONESIA

JAKARTA, INDONESIA

Approx 150,000m² of ALUCOBOND® composite materials.

*SYSTEMS PATENTED IN PEOPLE'S REPUBLIC OF CHINA

SUPPLY OF IN-HOUSE PRE-ROUTED PANELS

Create the difference. ALUCOBOND

ALUCOBOND (FAR EAST) PTE LTD

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