

# Euramax Coated Products

Welcomes

# Learning aims



➔ Advantages of pre-coated aluminium

➔ Coating qualities in architecture

➔ Possibilities in colour & design

# Company background



## Euramax Coated Products

- European coil coating operation of the US based Euramax International
- Over 40 years of experience
- Coil coating plants in NL & UK
- Annual production > 20.000 km<sup>1</sup>
- ISO 9001 / ISO 14001 certified
- 100% coating = no rolling

# Company identity



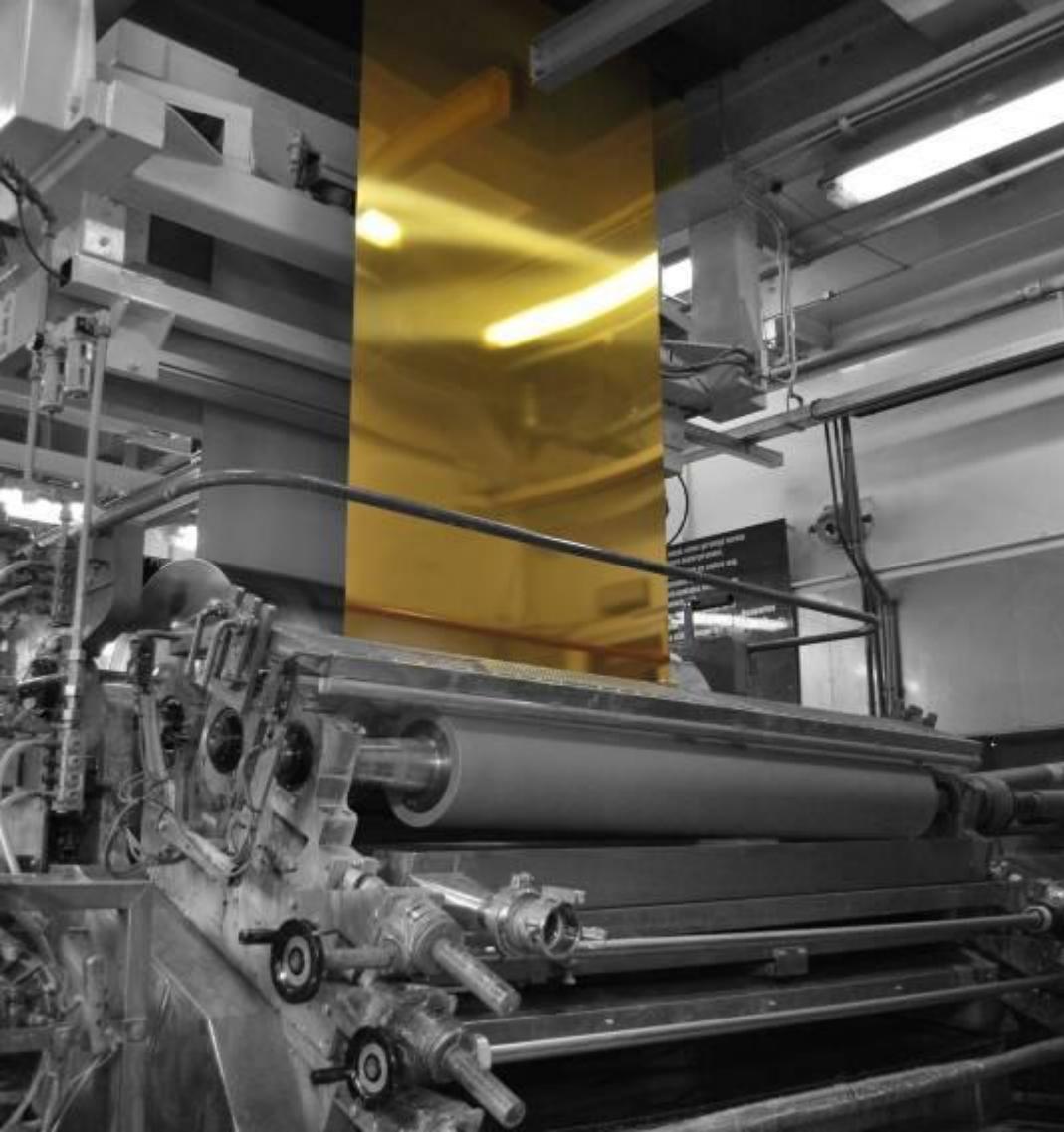
## Colour your world..

- Premium coil coating company
- Focus on innovation
- Market driven / multi level involvement
- Multi substrate coil coater
- Widest range of colours and designs
- Dedicated partner rather than 'supplier'

# Some of our clients and Partners



# Pre-coated aluminium



## Advantages aluminium

- Produced from bauxite – one of earth's most plentiful elements (8%)
- 100% recyclable without loss of quality
- Lightweight – low loads on buildings
- Lighter construction – cost efficient
- Great versatility in panels due to easy workability
- Emphasis on sustainability and lifetime costs make aluminium a natural choice

# Pre-coated aluminium



## General production program

- All aluminium alloys and tempers (other substrates on request)
- Widths from 35 up to 2630 mm
- Thickness from 0.25 up to 2.00 mm
- All colours and glosses (RAL, NCS, BS, Pantone, etc.)
- Available in coil, slit coil and sheet
- Production according to ECCA and NEN-EN standards

# Pre-coated aluminium

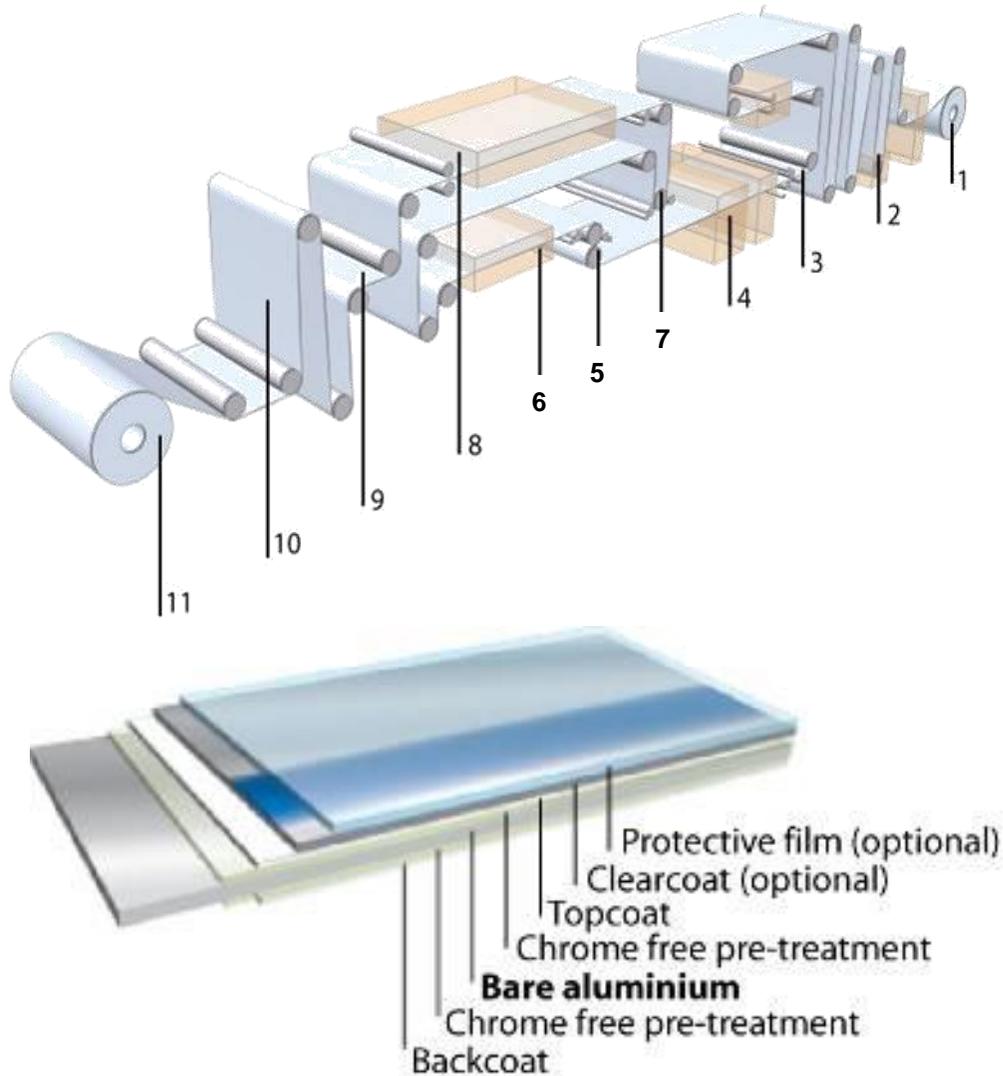


## Coil coating

...or 'pre-painting' is the process where large coils of a variety of metals are coated in a continuous, highly automated process, prior to final fabrication steps.



# Pre-coated aluminium



## Coil coating process steps

- 1) De-coiling
- 2) Degreasing and cleaning
- 3) Pre-treatment (chrome-free)
- 4) PT oven section
- 5) Primer and backcoat station
- 6) P&B oven section
- 7) Topcoat station
- 8) TC oven section
- 9) Quality control
- 10) Protective film application
- 11) Re-coiling

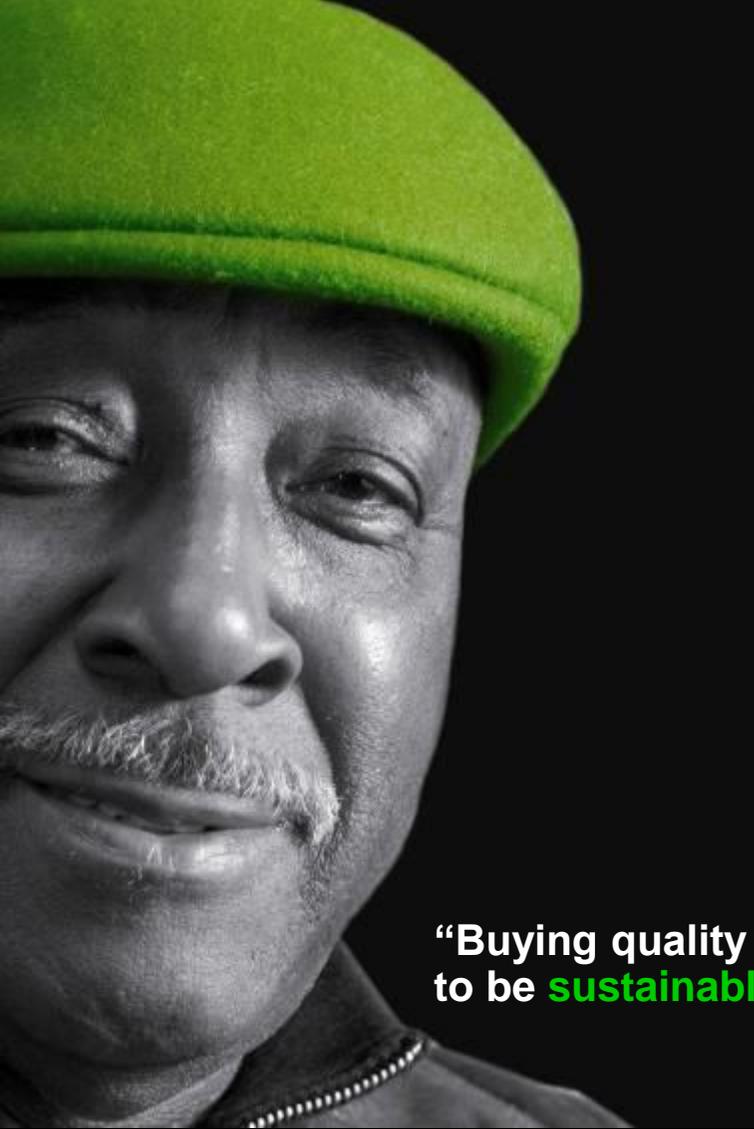
# Pre-coated aluminium



## Advantages pre-coating

- Uniform layer – consistent colour
- High quality – long lifetime
- Large choice in coating qualities
- Great variety of colours
- Cost efficient – great economy
- ‘Green’ coating method

# Sustainability



“Buying quality is the best way to be **sustainable**”

## Sustainability of pre-coated aluminium

- 100% recyclable without loss of quality
- Recycling is done at only 5% of the energy needed to produce primary aluminium
- Material of the future due to strong ‘energy bank properties’
- The average end of life recycling rate in building is approximately 85%
- Closed loop process – controlled emissions – maximum efficiency – minimum waste
- Most environmental friendly coating method available

# Paints & qualities



**NCS**  
NATURAL COLOUR SYSTEM®

## Natural Colour Systems (NCS)

- NCS has defined 1950 colours (RAL = 213 colours) at every tenth step of the colour space
- One universal colour language brings support on a higher level
- All Euramax colours are matched to NCS
- Euramax people are trained to work with the system

# Ferrari Experience

Abu Dhabi – U.A.E.

Benoi Architects

Ferrari Red



# The Squire - Airrail center

Frankfurt, Germany

JSK Architects

Silver Metallic



# Financial Harbour Manama

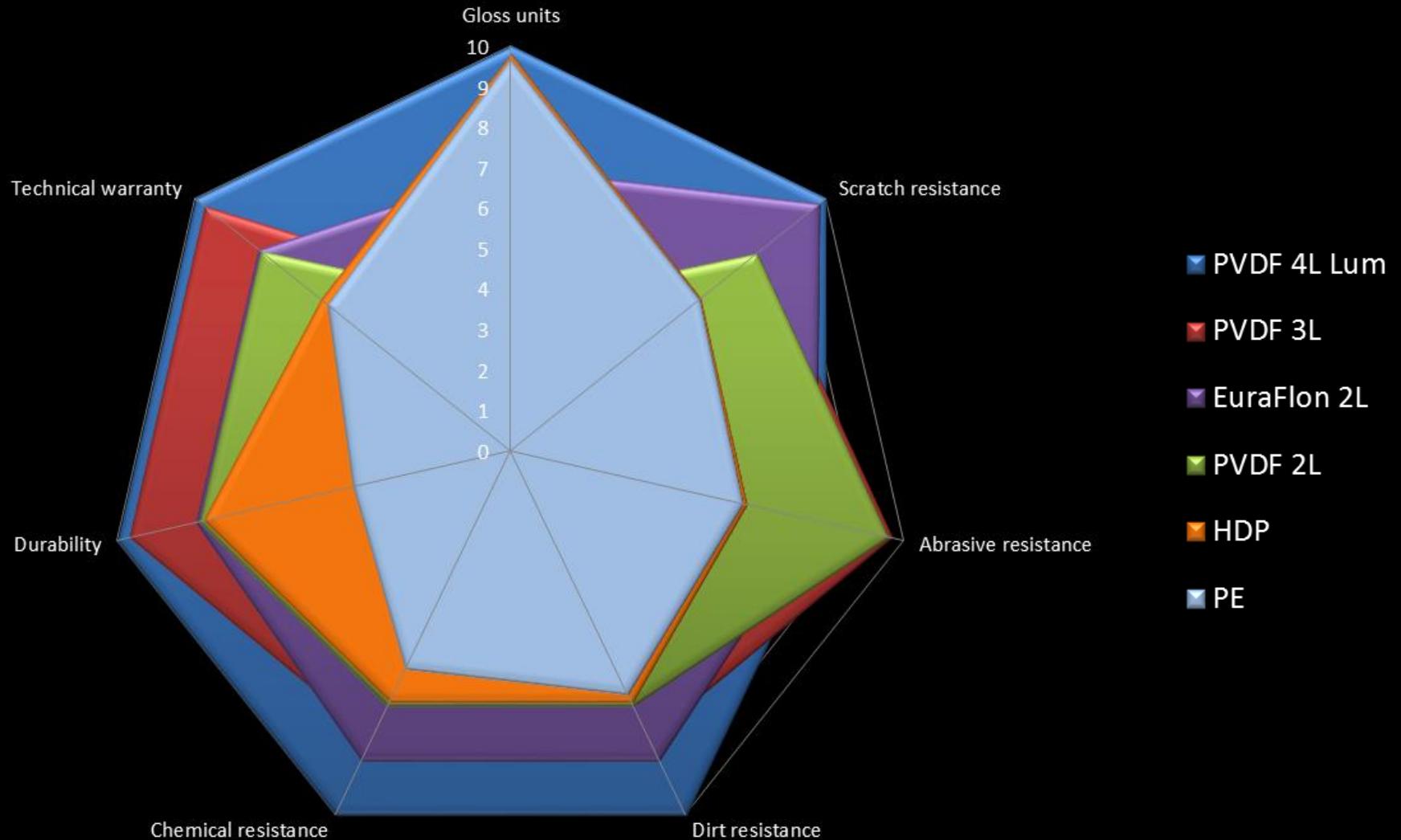
Bahrain

Ahmed Janahi Architects

Silver Metallic



# Paints & qualities



# Warranty



## Warranty conditions

- Requested project warranty specification is leading
- Coating advice is based on climate zone, project location and specific circumstances
- Option between technical ('material') and aesthetic ('colour and gloss')
- Maximum warranty of 40 years

# Warranty - per coating system

Coating quality				
PE – Polyester				
HDP – High Durable Polyester				
EuraFlon 2 layer				
PVDF – Polyvinylidene Fluoride				
PVDF Lum - more layer				

All warranty periods are subject to Limited Refund, dependent on geographical area

# Warranty - climate zones

• Zone A  
( $>45^{\circ}$  NL)

PE  
HDP

• Zone B  
( $30^{\circ}$  up to  $45^{\circ}$  NL)

EuraFlon  
PVDF

• Zone C  
( $30^{\circ}$  NL up to  $30^{\circ}$  SL)

PVDF Lum

• Zone B  
( $30^{\circ}$  up to  $45^{\circ}$  NL)

EuraFlon  
PVDF

• Zone A  
( $>45^{\circ}$  SL)

PE  
HDP

# Budapest Sports Arena

Budapest, Hungary

Kötze Architects

Titanium Brushed



**Zenith Scarabee**  
Riorges, France  
Alain Safari

Gold Brushed



McDonald's  
Several locations

- Mac Walnut

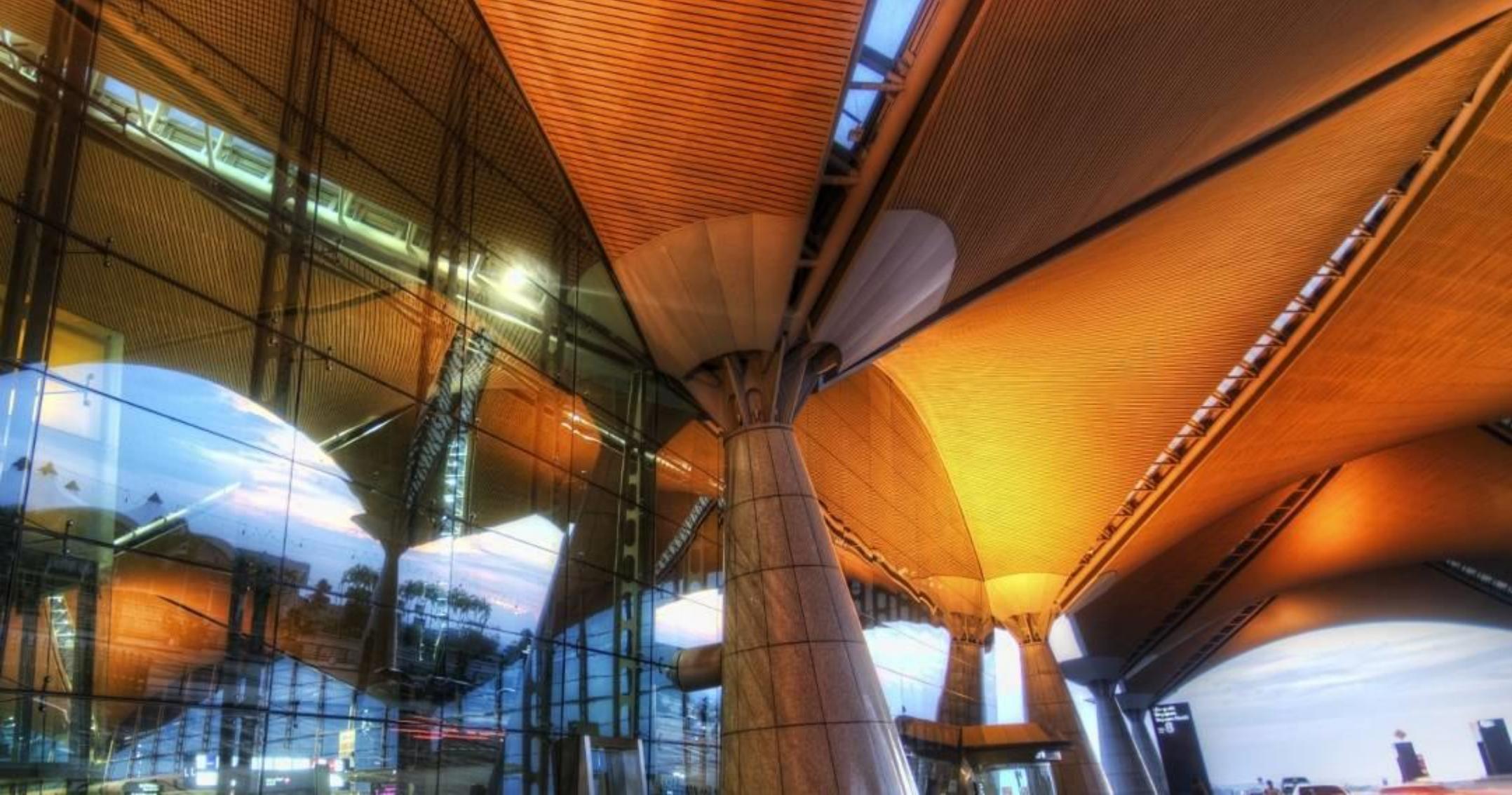


# Kuala Lumpur International Airport

Kuala Lumpur, Malaysia

Kisho Kurokawa Architects

Wood French Cherry



# World Expo Experience Center

Shanghai, China

Institute of Architecture Pearl White Expo



**Kop van Kessel**  
Leuven, Belgium  
SeARCH Architects

Several colours



**Ljubljana Sports Hall**  
Ljubljana, Slovenia  
Spaga Vuga Architects

Pyrite Gold\_Silver



# Poppodium de Vorstin

Hilversum, The Netherlands

De Architecten Cie

C0 / Silver



# King Abdul Aziz International Airport

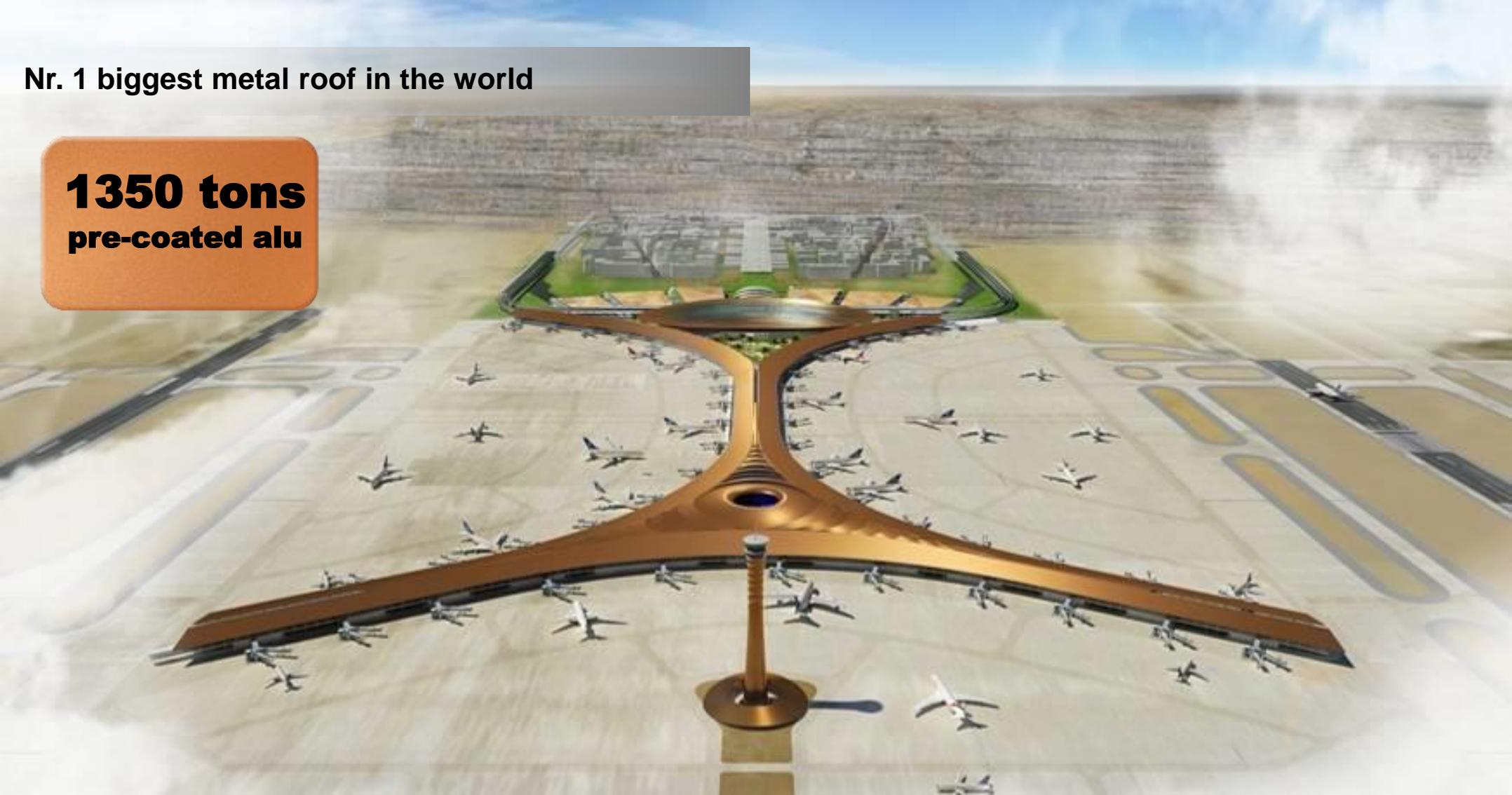
Jeddah, Saudi Arabia

Atkins Global

Canyon Copper

Nr. 1 biggest metal roof in the world

**1350 tons  
pre-coated alu**



# Finishes



# Finishes



# Application

Standing Seam



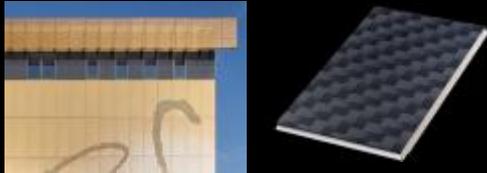
Aluminium Composite Panels



Aluminium Sandwich Panels



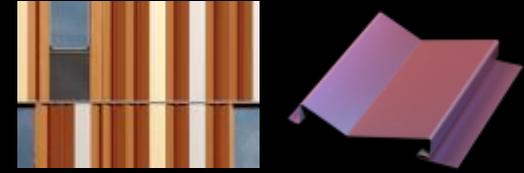
Foam Insulated Panels



Aluminium Shingles



Aluminium Cassettes



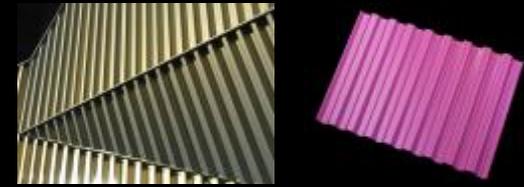
Aluminium Siding Cassettes



Sinusoidal Profiles



Trapezoidal Profiles



# Application

single skin profile



Composite panel



Cassette with dimpled design



## Multiple panels, all colour consistent

- One warranty for the total project
- Due to the flexibility of aluminium almost any cladding solution is possible
- Colour advice through the total chain

# Quality



## Quality on top!

- Lean six sigma
- 5S
- Lean manufacturing program
- Quality assurance - ECCA standards
- Online Inspection System (OIS)
- 98,5% quality efficiency



## Quality measurement

- Dry film thickness
- Gloss level
- Colour difference topcoat
- Pencil hardness
- Impact test
- Cupping test
- T-bend test
- Resistance to salt acid spray fog
- Resistance to accelerated weathering
- MEK/ solvent rubbing test
- Scratch resistance
- Chalking
- Abrasion test
- Dirt adhesion

# Follow us...



**Euramax** This colourful, high quality aluminium facade will meet the high demands of the business jet passengers at the Subito (VIP terminal, J3). The 6000m2 terminal has an impressive twelve-meter long awning which is coloured in a premium DurAlCo 115 finish.



**Project news: Colourful Architecture - Latest Euramax News**  
euramax.eu - Colour your world with Euramax

**Organic**  
Targeted to: All Followers

393 engagements	0 ads	6 impressions	1.53% engagement
-----------------	-------	---------------	------------------

Sponsor update

Like (2) · Comment · Pin to top · 1 month ago

Michael Schneider and Gaurav Kabra like this

Add a comment...

**Euramax** Who the hell doesn't wish more freedom in form and appearance, or more standard cladding. It is our exclusive colour spectrum that makes the difference in a project. The perfect synergy between form and finish. Take a look...



**Project news: Futuristic Architecture - Latest Euramax News**  
euramax.eu - The highest Euramax pigment finish DurAlCo Monochrome Silver Gold enabled the architect to create a total design.

**Organic**  
Targeted to: All Followers

402 engagements	4 ads	14 impressions	3.73% engagement
-----------------	-------	----------------	------------------

Sponsor update

Like (3) · Comment · Pin to top · 2 months ago

Michael Schneider, Will Laversett, and Gaurav Kabra like this

Add a comment...



**Jan Timmerman**  
@Euramax\_Europe  
Managing Director Euramax Coated Products; a premium coil coating company with a world wide foot print.  
euramax.eu

158 TWEETS · 41 FOLLOWING · 154 FOLLOWERS

Follow

### Tweets

**Jan Timmerman** @Euramax\_Europe · 24 Jul  
Since a few months Euramax supplies a nice woodlook for the big yellow M facades. Beautiful natural design! [pic.twitter.com/XoBs3Mn1ch](https://pic.twitter.com/XoBs3Mn1ch)  
View photo

**Jan Timmerman** @Euramax\_Europe · 23 Jul  
Carbon Zoom design for Westrom building in Roermond. 3 design levels: back / gloss / carbon design. [pic.twitter.com/K9f9VQWqyY](https://pic.twitter.com/K9f9VQWqyY)  
View photo

**Jan Timmerman** @Euramax\_Europe · 22 Jul  
Booked! New apartment blocks in Krakow, Poland. Our new Eurazinc was chosen for the facade. [pic.twitter.com/NPSJkzieGK](https://pic.twitter.com/NPSJkzieGK)  
View photo

**Jan Timmerman** @Euramax\_Europe · 18 Jul  
Introducing our new Aluphant documentation pack. Freshly developed for the Interior Architecture market. [pic.twitter.com/BK8l0vsBd](https://pic.twitter.com/BK8l0vsBd)  
View photo

**Jan Timmerman** @Euramax\_Europe · 17 Jul  
Our Short Leadtime programme is extended! NEW ALLOY: 3004 alloy. Find more information using the link. [euramax.eu/Short\\_lead\\_time](https://euramax.eu/Short_lead_time)



for the latest news on products, projects and events

# Thanks for your attention



**Advanced architecture  
is a meeting of minds**

**Talk to us**

+31-475370341  
[www.euramax.eu](http://www.euramax.eu)  
[max@euramax.nl](mailto:max@euramax.nl)