

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 km¹
- 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

Metawell
metal sandwich technology

ASH & LACY

BEMO
THE SKY'S THE LIMIT

BOEHME
SYSTEMS

larson
by Alucol

Aluform
SYSTEME

HunterDouglas

MN

Kalzip



Alubond
U.S.A.
Fire rated Metal Composites

MONTANA

Kingspan

MAAS
PROFILE

SISTEM
ALUMINIUMSANDWICHES

LAUKIEN
Ideen für Dach • Wand • Fassade

STADUR
Innovation und Systemlösungen

ALMECO
GROUP

System' Building Products

ISCOM

KME

MULTIPANELUK
a multitude of applications

KOSKISEN

ALUCOBOND

RAA
RICHARD AUSTIN ALLOYS

 **EURAMAX**

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

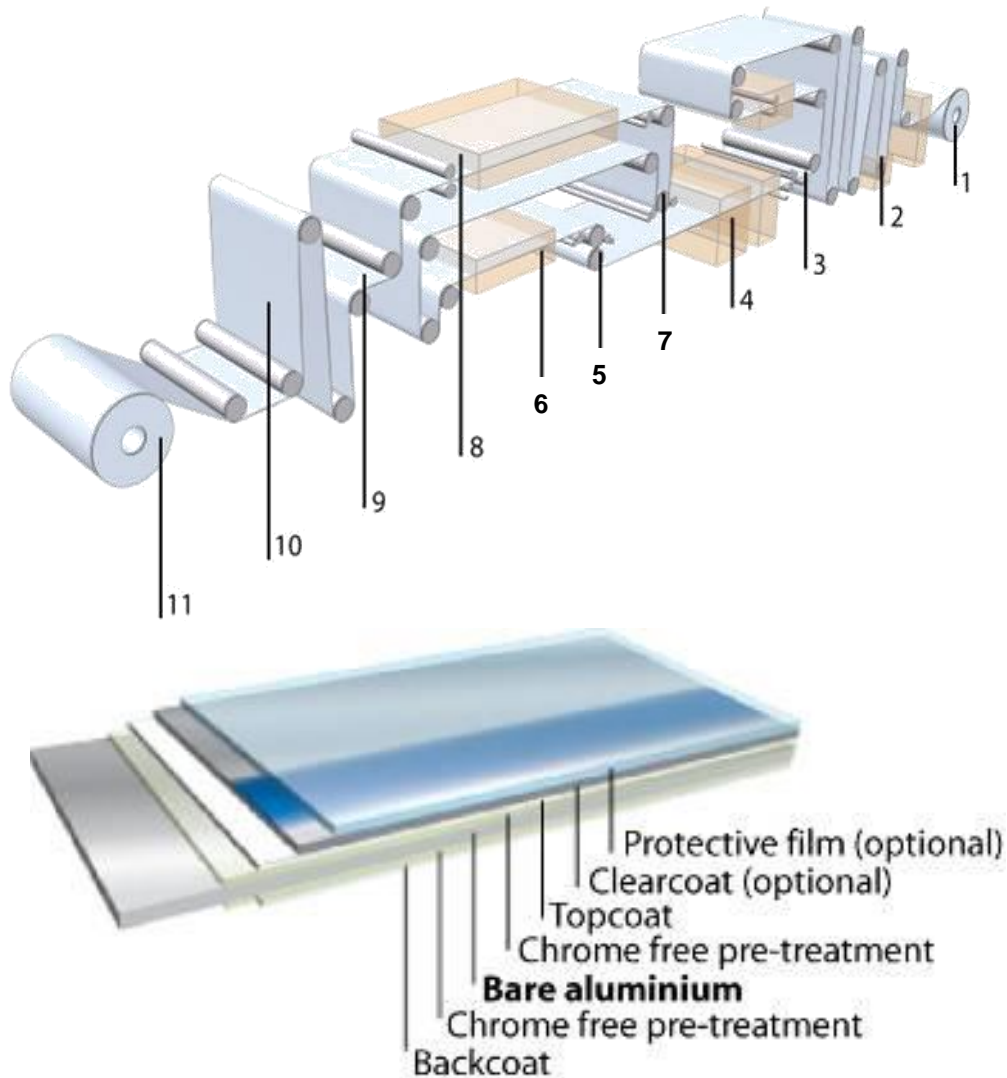


Coil coating

...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



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

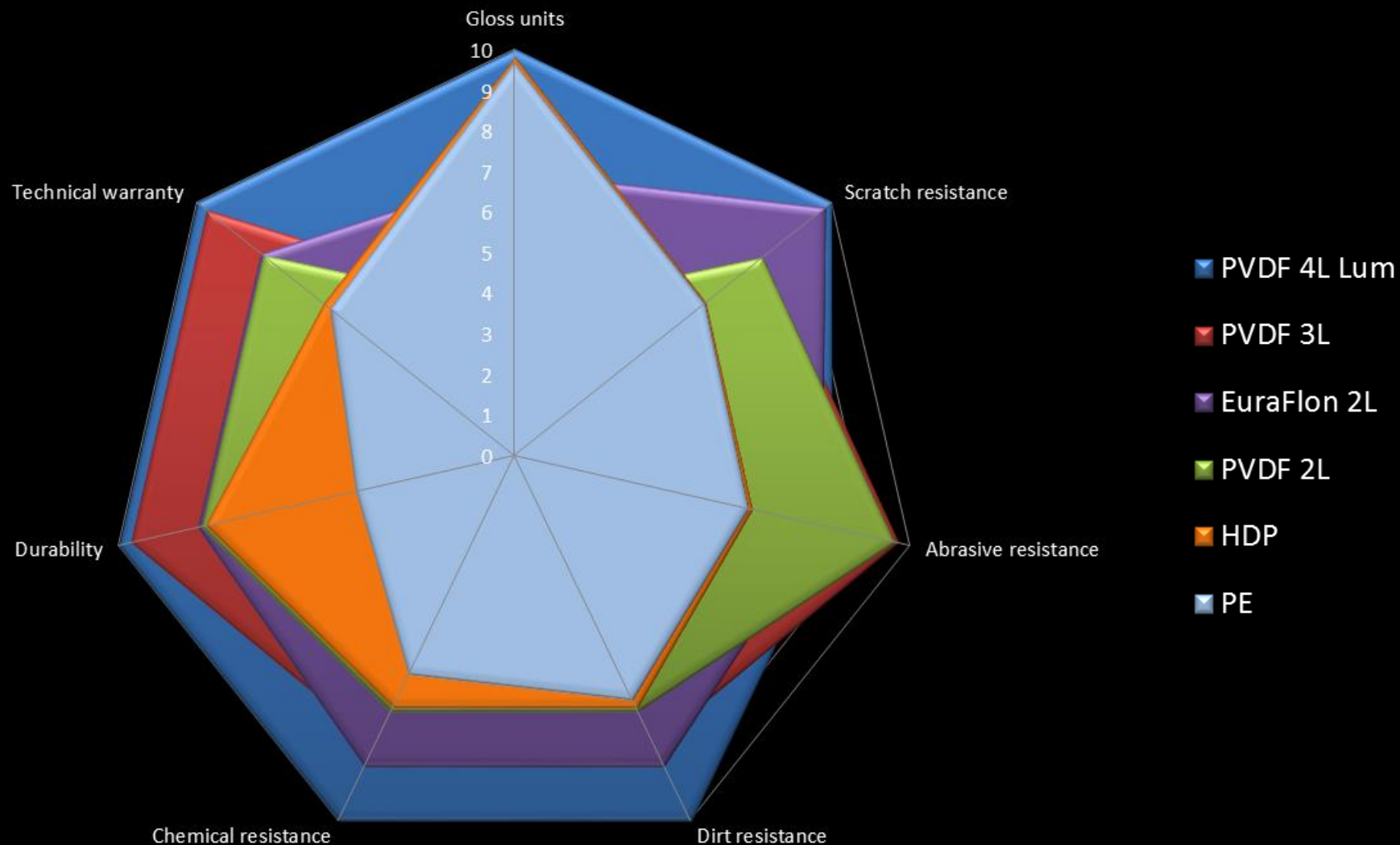
Bahrain

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)

• Zone B
(30° up to 45° NL)

• Zone C
(30° NL up to 30° SL)

• Zone B
(30° up to 45° NL)

• Zone A
($>45^{\circ}$ SL)

PE
HDP

EuraFlon
PVDF

PVDF Lum

EuraFlon
PVDF

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

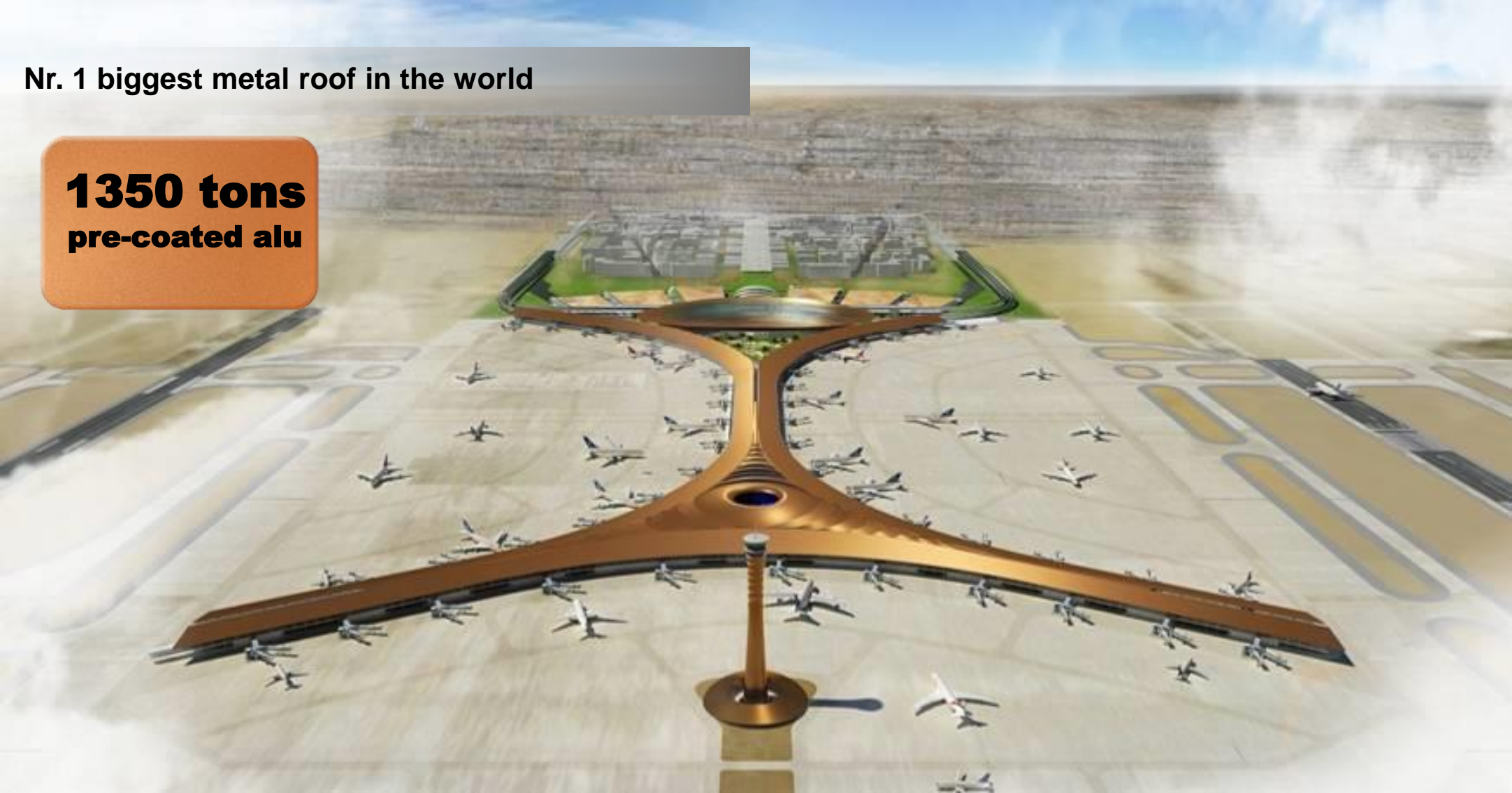
Jeddah, Saudi Arabia

Atkins Global

Canyon Copper

Nr. 1 biggest metal roof in the world

1350 tons
pre-coated alu



Finishes

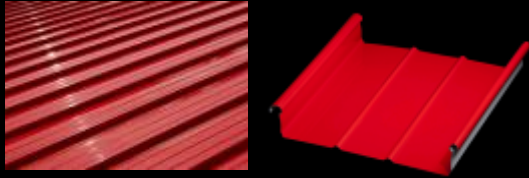


Finishes

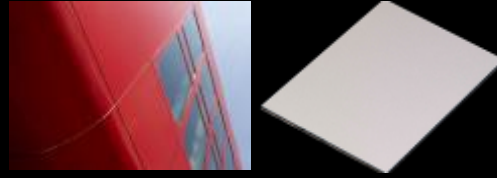


Application

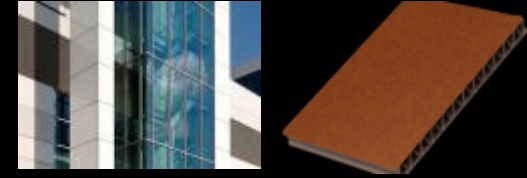
Standing Seam



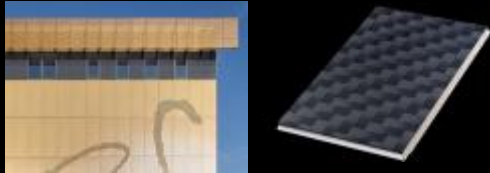
Aluminium Composite Panels



Aluminium Sandwich Panels



Foam Insulated Panels



Aluminium Shingles



Aluminium Cassettes



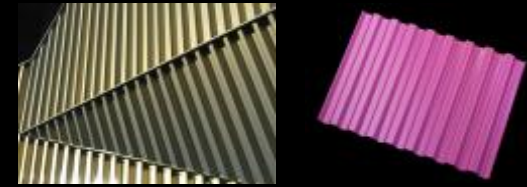
Aluminium Siding Cassettes



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 lapack will meet the high demands of the business jet passengers at the Schiphol VIP terminal (NL). The 6000m2 terminal has an impressive twelve-meter long awning which is coloured in a premium Dural/Mica. [pic.twitter.com/...](#)



Project news: Colourful Architecture - Latest Euramax News
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Organic
Targeted to: All Followers

393	0	6	1.53%
Engagements	Score	Interactions	Engagement


[Sponsor update](#)

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Michael Schneider and Gautam Kabra like this

Add a comment...

Euramax Which if it concerns outdoor more, obtaining that offers an extended 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... more



Project news: Futuristic Architecture - Latest Euramax News
euramax.eu | The highest Euramax flyover bridge 'Dural/Mica Moorsane Blue Gold' enabled the architect to create a futuristic design.

Organic
Targeted to: All Followers

482	4	14	3.73%
Engagements	Score	Interactions	Engagement

[Sponsor update](#)

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

Michael Schneider, Will Lennart, and Gautam 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

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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>
[View photo](#)

 **Jan Timmerman** @Euramax_Europe 23 Jul
Carbon Zoom design for Westrom building in Roermond. 3 design levels: brick / glass / carbon design. <pic.twitter.com/X3e4VQWqY>
[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>
[View photo](#)

 **Jan Timmerman** @Euramax_Europe 18 Jul
Introducing our new Aluphant documentation pack. Freshly developed for the Interior Architecture market.
<pic.twitter.com/BK38JCvsBd>
[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



for the latest news on products, projects and events

Thanks for your attention



**Advanced architecture
is a meeting of minds**

Talk to us

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