

Orofe® Pente AA 5754 H46

The Orofe® coated aluminium is one of the most advanced pre-painted aluminium roofing solutions for the building and construction industry. Orofe® Pente: An aluminium magnesium alloy specially developed for metal roofing exposure to wind.

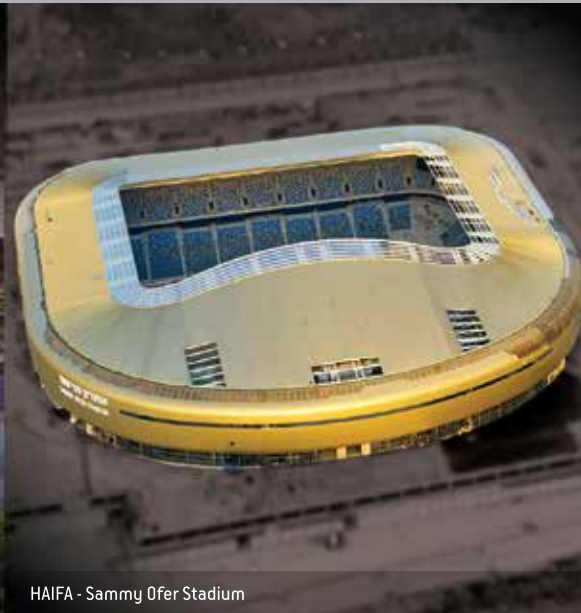


Features

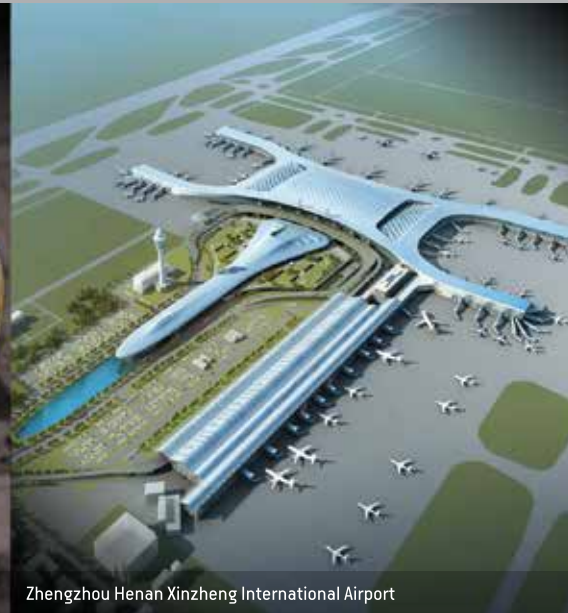
Orofe® Pente is designed to meet the needs of the most demanding, high-end operating conditions. It is carefully casted and rolled in our latest technology manufacturing lines following the most stringent quality criteria to meet customer's requirements. Orofe® Pente offers to architects, builders and designers, a lightweight, versatile, strong and aesthetically pleasing solution for special types of building and environment.



Fuzhou Channel International Convention Center



HAIFA - Sammy Ofer Stadium



Zhengzhou Henan Xinzheng International Airport

Advantages/Benefits

- When compared to other roofing systems :
 - Designed, casted, rolled, and coated by the same manufacturing plant
 - Specifically designed for higher strength and stiffness
 - Higher corrosion resistance and weatherability performance of coated aluminium
 - Large variety of colour shades
 - High Resistance to cracking, peeling and chalking
 - Environment friendly credentials
 - Coated with environmentally friendly coatings that are
 - Lead (Pb), Chrome (Cr) and Isophorone (IF) free
 - Reach compliant (Regulation (EC) No 1907/2006)
 - Restriction of Hazardous Substances Directive 2002/95/ECRoHS compliant
 - Coating process complies with all European norms and quality standards DIN, ASTM, BS, EN, ISO and ECCA
 - certified according to ISO 14001:2004
 - with zero liquid waste discharge
 - complies in full with the Industrial Emissions' Directive (IED) 2010/75/EU

The product has CE Marking based on BS EN 15088.

Typical Applications

- Big scale roofing projects near to aggressive environments
 - suitable for areas like Super roofs, marine, airports, stadiums, Industrial & exhibition centers
 - suitable for heavy rain fall and high wind environments

Technical Datasheet Orofe® Pente AA 5754 H46

Product	Alloy/Temper	Thickness Range (mm)*
Orofe® Pente	AA 5754 H46	0,80-1,00

*Other dimensions available upon request

	Range	Typical
Rp0,2 (MPa)	190 min	220-230
Rm (MPa)	260-310	270-285
A (%)	4 min	6,0 - 9,0
Bending	radius T 2,0, angle 90° without cracks	