



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.

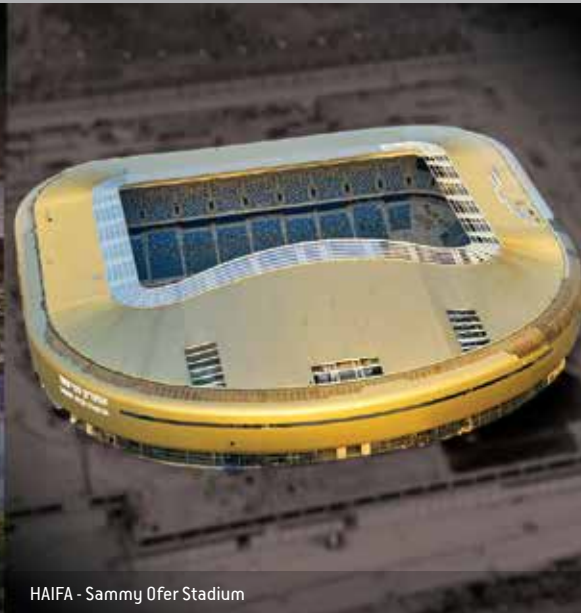


Features

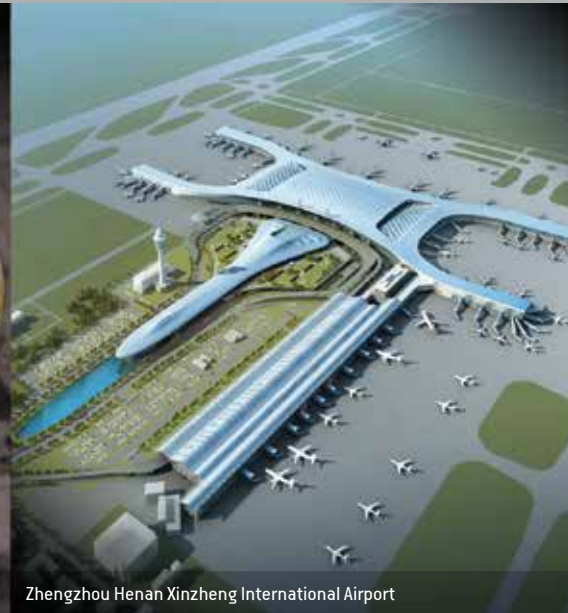
Orofe[®] Pente is designed to meet the needs of the most demanding, high-end operating conditions. It is carefully casted and rolled in our latest technology manufacturing lines following the most stringent quality criteria to meet customer's requirements. Orofe[®] Pente offers to architects, builders 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	





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Orofe® 涂装铝是在建筑物和建筑行业上最先进预涂铝板屋面/屋顶的解决方案之一。

Orofe® Pente: 专为暴露在风中的金属屋面/屋顶所开发的铝镁合金。

产品特性

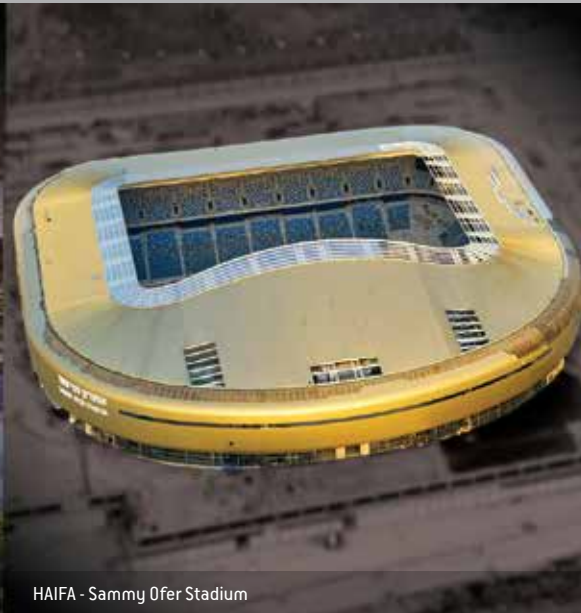
Orofe® Pente 是专门设计为满足最苛刻和最高端工作条件下的需求。

Orofe® Pente 是使用我们最新和最先进技术的生产线并按照最严格的品质标准去精心铸造和轧制的产品,以满足客户

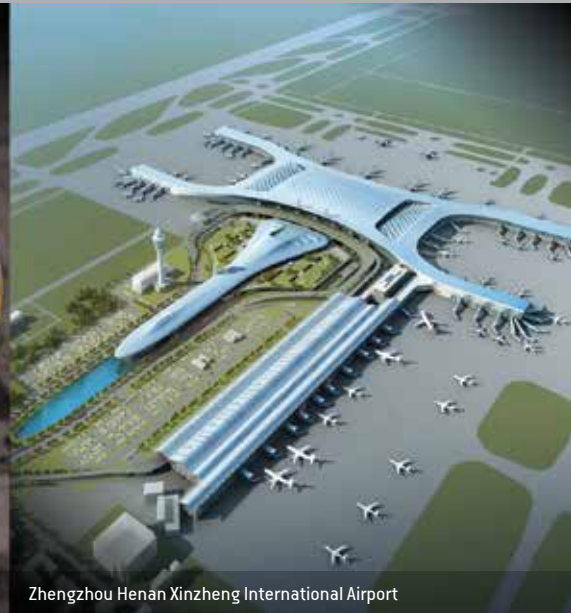
Orofe® Pente 提供给建筑师, 建筑商, 设计师, 对于特殊类型的建筑和环境一个轻量级, 灵活, 强大和美观的解决方案。



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优点

- 当比较于其他的屋面/屋顶系统:
 - 由同一生产厂设计, 铸造, 轧制和涂装
 - 专门设计用于更高的强度和刚度
 - 更高耐腐性和耐候性的预涂铝
 - 多种, 多样化的色系
 - 高抗龟裂, 剥落和粉化现象
 - 环保的凭据
 - 涂覆环保涂料:
 - 无铅(Pb), 无铬(Cr)和无异佛尔酮(IF)
 - 达到(EC) 1907/2006法规标准
 - 有害物质的限制符合2002/95/ECRoHS标准
 - 涂装工艺符合所有欧洲品质标准DIN, ASTM, BS, EN, ISO和ECCA
 - ISO14001: 2004认证
 - 零废液排放
 - 完全符合(IED) 2010/75 / EU工业排放的标准

本产品具有根据BN EN15088标准的CE认证标志。

典型应用范围

- 在恶劣环境下的大型规模屋面/屋顶工程
 - 适合像超级屋顶, 船舶, 机场, 体育场馆, 工业和展览中心等地区
 - 适用于狂风暴雨的环境下

技术性数据表

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

其他尺寸可根据客户的要求

	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	



中国总代理

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