



**RMIG** City Emotion

we make ideas come to life



## Oslo Opera House

# A celebration of artistic design

THE OSLO OPERA HOUSE IS A STRIKING BUILDING ON THE BANKS OF OSLO FJORD. ITS ANGULAR EXTERIOR DESIGN IS ACCENTUATED BY A UNIQUE ARTISTIC ALUMINIUM CLADDING MANUFACTURED BY RMIG

### THE FACTS BEHIND AWARD-WINNING ARCHITECTURE

For the Oslo Opera House, RMIG produced more than 9,000 m<sup>2</sup> of aluminium cladding to fulfil the visions of artists and architects.

- Raw material: Aluminium
- Pattern: RMIG ImagePerf
- Thickness: 3.0 mm
- Surface treatment: Anodising
- Artists: Astrid Løvaas and Kirsten Wagle
- Architects: Snøhetta, Oslo



### CONSTANTLY CHANGING FACADE

It comes as no surprise that the Oslo Opera House has been presented with two prestigious prizes. At the World Architecture Festival 2008, it was the winner of the 'culture' category and in 2009, the building won the European Union Prize for Contemporary Architecture – Mies van der Rohe Award. The exterior design with concave and convex shapes looks distinctly modern and at the same time has the quality of a future classic. The combination of these shapes gives a fascinating and constantly changing facade to this spectacular feat of architectural design by Snøhetta.

Norwegian artists Astrid Løvaas and Kirsten Wagle created the facade design to represent a particular pattern used in traditional weaving techniques. The



vision was to produce the shapes with twists, turns and perforated patterns in aluminium. RMIG was contacted to come up with an innovative production method.

### ADVANCED MANUFACTURING AND TOOLING TECHNIQUES

To achieve an accurate and economical production method with perfect repeatability that would live up to the visions of the artists and architects, the engineers at RMIG designed a special tool with a multiple flexible perforating system that ensured fast and precise results. After pressing, the aluminium panels were anodised to protect them from the harsh Norwegian climate.



# More than just buildings

RMIG City Emotion is for everyone who values the beautiful and innovative qualities of our cities, because a city is not just about buildings. A city is a place for emotion and it requires our full attention to unleash its aesthetic appeal.

RMIG City Emotion captures the passion for creative urban design by offering innovative technologies and materials. We can help you realise the most ambitious architectural projects and their emotional potential.

- Let us guide you through the benefits and practicality of your design
- We can work on your drawings in CAD, 2D and 3D formats
- Use perforated sheets, embossed sheets or expanded metal
- Enjoy the unique finishing operations and surface treatments

RMIG is the world's largest manufacturer and supplier of perforated metal. In addition to exterior cladding, the company also supplies products for a large number of construction applications such as car park and security screening, acoustic wall linings, ceilings, lighting, street furniture, balustrades and walkways.

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