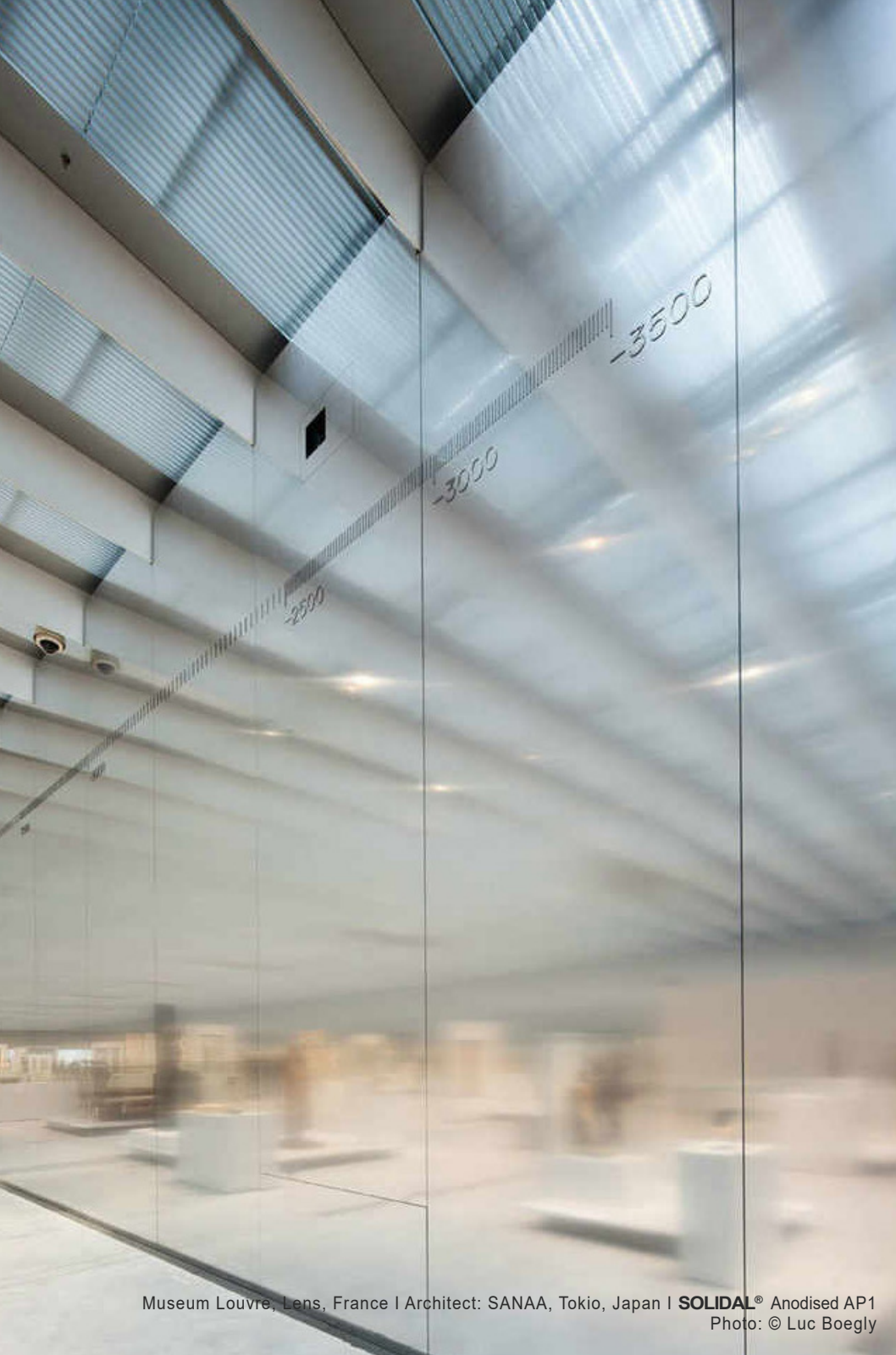


SOLIDAL[®] ANODISED AP1

FAÇADE SOLUTION by Watermark[®]





Museum Louvre, Lens, France | Architect: SANAA, Tokio, Japan
SOLIDAL® Anodised AP1

5052H24 **SOLIDAL®** Top Bright® Mirror (High Reflective)

Anodising: Optional 5052 AP1 AAMG or 5005H14 **SOLIDAL®**

Anodise thicknesses of at least 10µm for indoor and 20/25µm for outdoor applications are recommended, depending on exposure.

Detailed requirements for each application should be discussed with the customer before the anodizing specification is finalised. Anodizing carried out by one firm to ensure batch uniformity.

As is usual practice, we recommend limiting samples are agreed to define acceptable process-related variations in gloss and colour.

Watermark® offers a range of Reflective and Structural Surfaces:

- > Top Bright® Mirror
- > Satin
- > Bead Blasted
- > Brushed



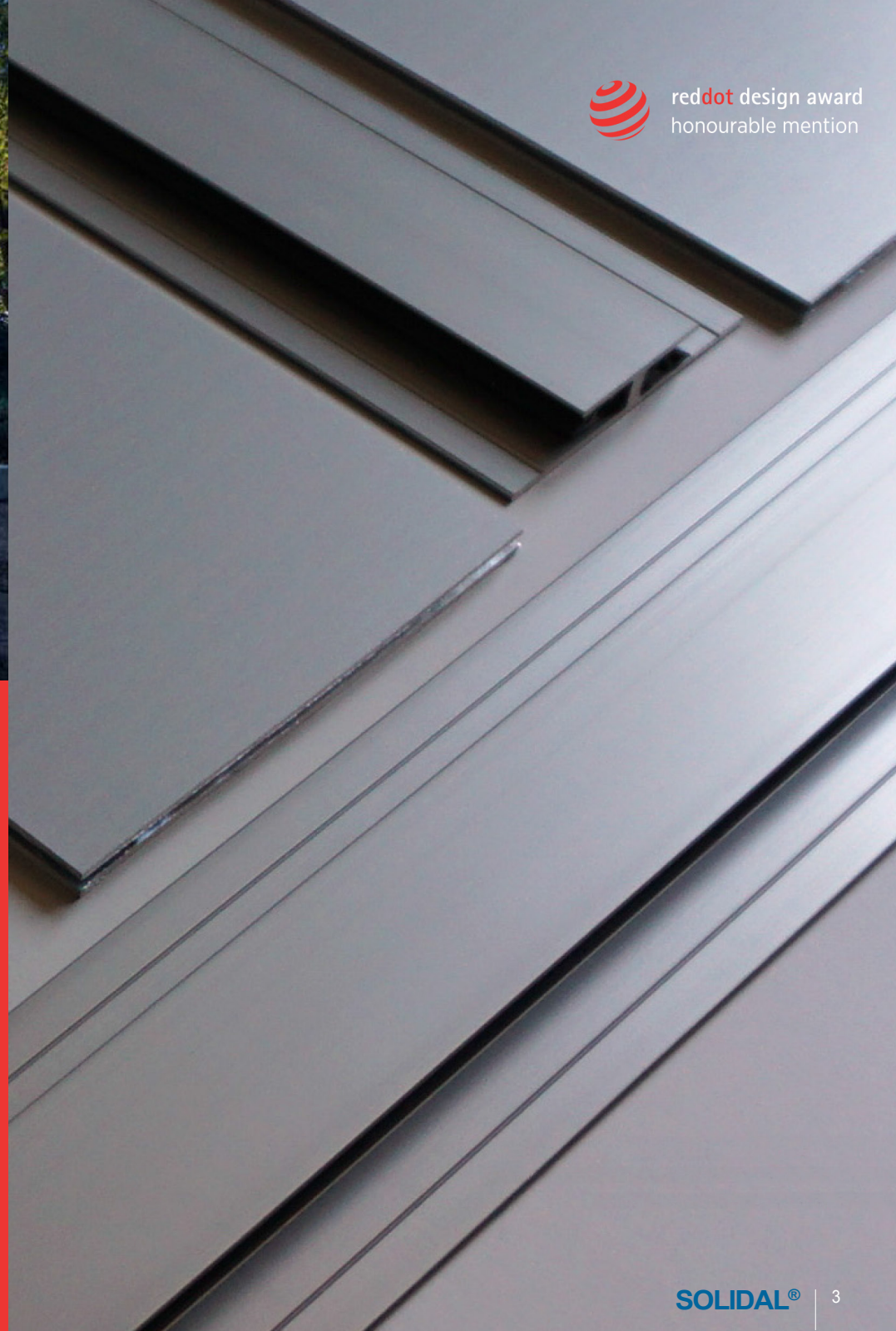
reddot design award
honourable mention



Steirereck Restaurant, Vienna, Austria | PPAG Architects
SOLIDAL® Top Bright® Mirror

SOLIDAL® Anodised AP1

Superior SOLIDAL® anodise finish is Abrasive resistant and 100% recyclable.
Suitable for all standard Installation Methods as well as German awarded design
Smartfix® façade fixing system



Technical Specifications

SOLIDAL®		
Panel Thickness (mm)	2mm, 2.5mm, 3mm, 4mm up to 6mm	
Available width (mm)	1240mm, 1500mm, 2000mm	
Length (mm)	7000mm	
SOLIDAL® DIMPLE & PERFORATED		
Panel Thickness (mm)	3mm, 4mm, 5mm	
Dimpled Percentage	10%, 20%, 40%	
Diameter Options (mm)	15mm, 30mm, 60mm, 120mm, up to 300mm	
Depth of Dimple (mm)	2.5mm (Standard)	
SOLIDAL® Physical Properties		
	3000 Series SOLIDAL®	* 5000 Series SOLIDAL®
Mechanical Properties		
Brinell Hardness	45	67
Elastic Modulus	70GPa	68GPa 9.9 x 106 psi
Elongation at Break	6.0%	8.0%
Fatigue Strength	68 MPa	110 MPa 15 x 103 psi
Poisson's Ratio	0.33	0.33
Shear Modulus	26 GPa	26 GPa 3.7 x 106 psi
Shear Strength	93 MPa	150 MPa 22 x 103 psi
Tensile Strength: Ultimate	160 MPa	250 MPa 37 x 103 psi
Tensile Strength: Yield (Proof)	125 MPa	190 MPa 28 x 103 psi
Thermal Properties		
Melting Onset (Solidus)	640 °C 1120 °F	610 °C 1120 °F
Specific Heat Capacity	900 J/kg-K 0.22 BTU/lb-°F	900 J/kg-K 0.22 BTU/lb-°F
Thermal Conductivity	180 W/m-K 100 BTU/h-ft-°F	140 W/m-K 80 BTU/h-ft-°F
Thermal Expansion	23µm/m-K	24µm/m-K
Electrical Properties		
Electrical Conductivity: Equal Volume	44% IACS	35% IACS
Electrical Conductivity: Equal Weight (Specific)	140%	120%

* 5000 Series **SOLIDAL®** is ideal for Anodise application

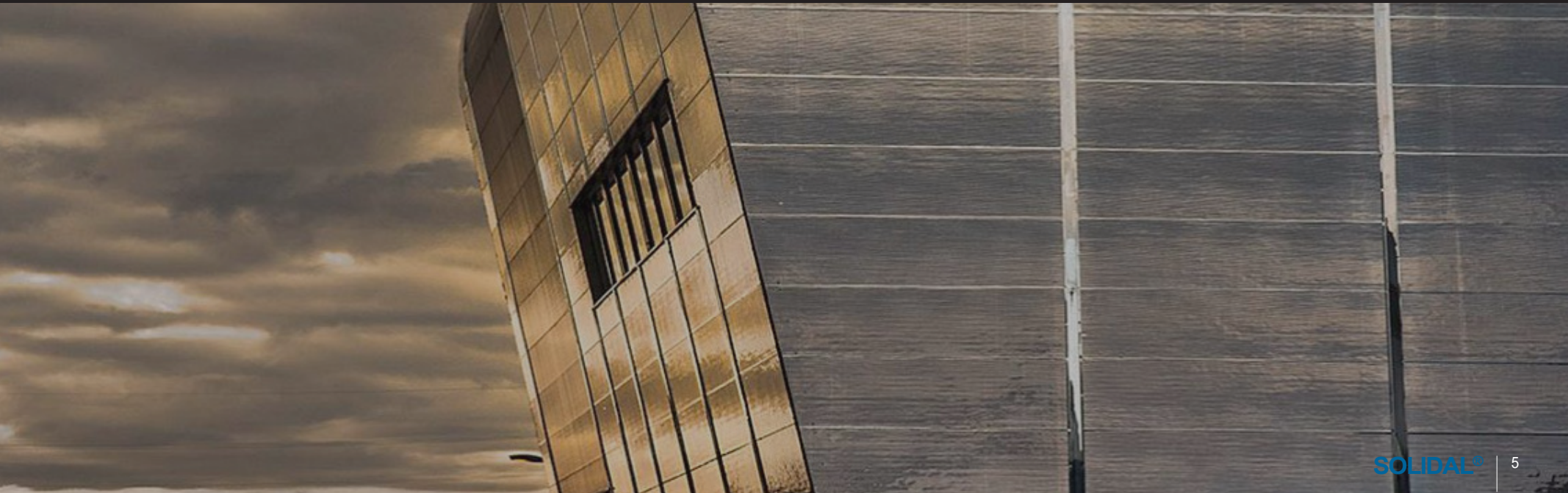
(Please consult a **SOLIDAL®** representative for further information on Anodised grade Aluminium)

SOLIDAL® ERP

(Enterprise Resource Planning System) tracking.

All SOLIDAL® orders will have ERP tracking.
ERP tracking assists in the tracking all panel order schedules.

Assisting both customer and SOLIDAL® factory for tracking and monitoring quality production
for complicated and non complicated façade installations.





SOLIDAL®

HEAD OFFICE
9A Davis Road
Wetherill Park, Sydney
NSW 2164, Australia

www.solidalmetal.com
E: info@solidalmetal.com
T: +61 414885530

PO Box 152
Darlinghurst, Sydney
NSW 2010, Australia



DISCLAIMER: SOLIDAL® has taken due care to prepare the enclosed literature to assist the end user. SOLIDAL® is not liable for any errors and accepts no liability for information which may be misleading or misinterpreted.
Copyright© SOLIDAL® All rights reserved.