

SOLIDAL[®]

Global leaders in POWDER COAT FINISH, Akzonobel[®]

SOLIDAL[®] T3[®]
SOLIDAL[®] T4[®]

Solid Aluminium Façade Solution

Watermark® has developed pre-painted solid aluminium products, SOLIDAL® T3® (3mm) and SOLIDAL® T4® (4mm). Specifically formulated metallurgy for building facades in ventilated and non-ventilated construction.

SOLIDAL® T3® & T4® pre-painted Solid Aluminium (3mm & 4mm) are semi-finished aluminium products in strip or panel form with Powder Coat finishes. Alloys, mechanical properties and coating materials have been especially designed and formulated to meet the needs of facade cladding.

- Certified non-combustible according to **NATA AS1530.1**
- Excellent weather resistant finishes
- Perfect flatness, low stress
- Wide span, high strength
- Low maintenance
- Ideal for new and recladding

MAIN APPLICATIONS:

- High and low rise buildings
- Residential and commercial applications
- Exteriors and Interiors
- Health Care and Public
- Refurbishment re-cladding
- Educational buildings
- Industrial buildings
- All buildings which require a decorative finish

Powdercoated

SOLIDAL® T3®

SOLIDAL® T4®

Having long recognised the importance of sustainability, EVERY COLOR IS GREEN in the Interpon Ultriva range. The entire range of Interpon D architectural powder coatings produce minimal product waste, low emissions and contain no volatile organic compounds (VOC's) or toxic heavy metals. Solvent free and recyclable, our powder coatings offer an environmentally sustainable and cost effective option to alternatives such as liquid paints.

As a forward thinking cladding solution provider, SOLIDAL® is constantly sourcing more sustainable and renewable raw materials and energy resources from our suppliers. What's more, we are focusing significant R&D efforts on reducing future energy requirements at every stage of the process.

Explore SOLIDAL® T3® & T4® powder coat Collections :
Contemporary Metro, Raw Harmony, Natural Luminance, Color Vitality.

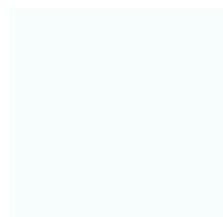


SUPERIOR ARCHITECTURAL GRADE ALUMINIUM

The Interpon D2015 Ultriva Collection offers just a taste of the design, color and finish options open to architects, interior designers and specifiers for the decoration of SOLIDAL® cladding. Offering four distinct ranges the collection oscillates from the modern, timeless hues of the Contemporary to Natural, Industrial and effervescent inspired Custom made finishes and tones.

Contemporary Metro

Time tested and urban neutral; subtle hues complement the design nature of the modern day metropolis with understated pearl finishes and contemporary tones on SOLIDAL® T3® & T4® Solid Aluminium.



Pearl White
MATT YA278A
RGB 249, 255, 255
LRV 89%



Monument®
MATT YN201A
RGB 62, 59, 56
LRV 8%



Charcoal
MATT YL264A
RGB 60, 67, 69
LRV 6%



Sablé Bass
MATT YY270A
RGB 91, 92, 84
LRV 11%



Asteroid Pearl
MATT YY270A
RGB 91, 92, 84
LRV 11%



Citi® Pearl
MATT YY245A
RGB 180, 184, 180 LRV43%



Ebony
MATT YN201A
RGB 49, 54, 51
LRV 4%



Précistm Pure Gold
MATT YY22BA
RGB 169, 141, 95
LRV 27%



Champagne Pearl
MATT YY276A
RGB 178, 180, 172 LRV 41%



Sablé Brilliance
TEXTURE YY377A
RGB 98, 102, 99 LRV 15%



Eternal Silver
SATIN YW100C
RGB149,154,161LRV30%



Sablé Medium Bronze
TEXTURE YY366A
RGB 84, 80, 64 LRV 9%

Raw Harmony

Reminiscent of the industrialised past, raw metallic tones combine with the raw aesthetic of nature through grainy textured finishes, weathered tones and subtle metallics.



Copper Penny
MATT YY22AA
RGB 143, 98, 68
LRV 18%



Surfmist
MATT YA236A
RGB 214, 218, 212
LRV 71%



Latté
Matt YY298A
RGB 197, 192, 178
LRV 47%



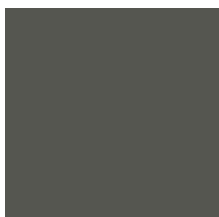
Jasper Matt
MATT YT214A
RGB 104, 98, 89
LRV 15%



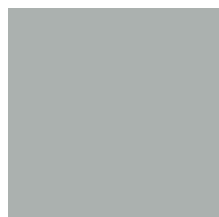
Champagne Riché
Matt YW277G
RGB 189, 184, 167
LRV 44%



Bronze Riché
Matt YW260G
RGB 138, 134, 128
LRV 23%



Sablé Asteroid
Texture YY371A
RGB 86, 87, 80
LRV 10%



Silver Riché
Matt YW209G
RGB 171, 178, 176
LRV 40%



Sablé Core Ten™
Texture YX350A
RGB 87, 68, 55
LRV 7%



Spanish Eyes
Matt YY279A
RGB 89, 91, 88
LRV 11%



Natural Luminance

Drawing inspiration from nature and ecology to invent a highly contemporary look this range punctuates our urban landscape with the tones and textures of the natural environment.



Sablé Gilded Green
Texture YY380A
RGB 141, 148, 80
LRV 26%



Sablé Sagra Green
Texture YY345A
RGB 64, 85, 76
LRV 9%



Pacific Avenue
Matt YY288A
RGB 168, 191, 200
LRV 46%



Skybridge Pearl
Matt YY291A
RGB 145, 176, 182
LRV 37%



Précis™ Pacific Blue
Matt YY23BA
RGB 112, 129, 133
LRV 20%



Wetland Fern
Matt YY289A
RGB 67, 85, 64
LRV 9%



Pallid Sky
Matt YY281A
RGB 199, 226, 227
LRV 63%



Canon
Matt YY287A
RGB 69, 82, 86
LRV 9%



Emerald Forest
Matt YY283A
RGB 50, 80, 83
LRV 8%

Color Vitality

An effervescent range saturated with color, each vying to make a splash on our cities. A search for color, life and glamorous performance to provide a refreshing addition to an ordinary day.



Brilliant Yellow
GLOSS YE087A
RGB 245, 223, 61
LRV 66%



Lycra Strip
GLOSS YK063A
RGB 200, 217, 84 LRV 53%



Shamrock
GLOSS YK043A
RGB 71, 110, 64
LRV 13%



Jaybird
Satin YJ175A
RGB 27, 97, 147
LRV 11%



Bondi Blue
GLOSS YJ046A
RGB 48, 131, 193
LRV 20%



Sensation
Gloss YF049A
RGB 222, 106, 49
LRV 75%



Lobster
SATIN YG154A
RGB 165, 56, 45
LRV 12%



GLOBAL WARRANTY

Interpon D architectural powder coatings for both SOLIDAL® T3® (3mm) and SOLIDAL® T4® (4mm) and Smartfix® extruded fixing system are performance guaranteed with a full global warranty when applied to aluminium by an Interpon D Approved Applicator. Interpon D Approved

Applicators are assessed and selected on an extensive evaluation process by Akzonbel ensuring the most stringent criteria is met to guarantee the application of powder coatings are in accordance with global industry standards. Interpon D2015 Ultriva coating features guaranteed 20 Years film performance and 15 Years color retention ensuring your project maintains it's aesthetic and functional value.



ULTRA DURABLE ARCHITECTURAL POWDER COATING

Providing ultra protection from the elements the range exceeds global weathering standard AAMA2604-13, guaranteeing excellent color retention and high resistance to chalking. Exceptional endurance to environmental stressors including high levels of UV radiation, humidity, heavy pollutants and extreme temperatures are achieved through ultra durable polymer technology engineered to withstand the weathering extremes of Australia and New Zealand.

Available in a wide range of finishes and gloss levels
Ultra durable performance for all exterior and interior architectural projects
Meets global architectural specification AAMA2604-13
Guaranteed up to 20 Years Gold Global Warranty



How to Specify

SOLIDAL® T3®
SOLIDAL® T4®

How to Specify Interpon Powder Coatings

Once you have chosen SOLIDAL® with Interpon Powder Coatings, it's important to specify the correct product. We make specifying our cladding products and coatings easy, simply:

Nominate your preferred substrate SOLIDAL® Thickness:

- SOLIDAL® T3® (3mm) NATA Certified AS1530.1 Solid Aluminium
- SOLIDAL® T4® (4mm) NATA Certified AS1530.1 Solid Aluminium

Nominate your preferred fixing method:

- Prefabricated Cassette
- Tongue and Groove extrusion system (Smartfix®)
- Captive extrusion system (Smartfix®)
- Face Fixed Riveted or Screwed
- Curtain Wall
- Ventilated System

Nominate your preferred Interpon product, e.g Interpon D2015 Ultriva

Nominate the color, finish and product code, e.g. Charcoal Pearl Matt YY237A

(OPTIONAL) Custom Fabrication SOLIDAL® Special / Custom

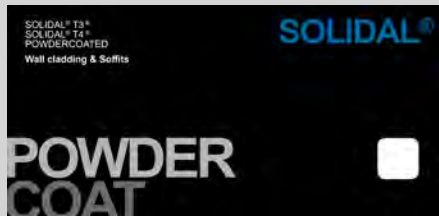
- Perforated SOLIDAL®
- Laser Cut SOLIDAL®
- Dimpled SOLIDAL®

Upgrade to Premium Interpon D3020 Fluoromax®

When unparalleled premium performance is a must for your project, Interpon D3020 Fluoromax based on Fluorocarbon technology is the product of choice. Meeting AAMA2605-13 specification Interpon D3020 Fluoromax® offers premium color and gloss retention with superior weathering performance.

A viable cost effective and environmentally conscious alternative to liquid fluorocarbon paints can be achieved without performance compromise.

Please contact SOLIDAL® Customer Care Team for additional specification support and advice. Visit www.solidalmetal.com or contact us for more information.



ORDER SWATCH

Technical Specifications

SOLIDAL® T3®
SOLIDAL® T4®

	Panel Thickness (mm)	Available width (mm)	Length (mm)
SOLIDAL® T3®	3mm	1240mm, 1500mm, 2000mm	up to 7000mm
SOLIDAL® T4®	4mm	1240mm, 1500mm, 2000mm	up to 7000mm

Physical Properties

MECHANICAL PROPERTIES	* 3000 Series SOLIDAL®	** 5000 Series SOLIDAL®
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%

* 3000 Series SOLIDAL® is ideal for Powder coating
Visit www.solidalmetal.com or contact us for more information

SOLIDAL®

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