

COLAS AIRPORTS

BITUMINOUS PRODUCTS AND SERVICES
CAPABILITIES FOR AIRPORTS



Sealcoat on the shoulders of the taxiways at Sydney Airport in 2018



WE OPEN THE WAY

OUR GLOBAL AIRPORT NETWORK

COLAS is a major international construction group specialising in providing products and services for constructing and maintaining pavements for major transport infrastructure like airports. With our head office and technical support from our R&D Centre in Paris, we are well positioned to deliver challenging airport projects through our network of subsidiaries in 50 countries anywhere in the world. COLAS subsidiaries have delivered some major airport projects in recent times which include:

- €145M Construction of new 3rd Runway at Bangkok Airport, Thailand ongoing until 2023,
- \$84M Construction of Taxiway at Los Angeles airport, USA ongoing until 2021,
- €63M Rehabilitation of the main runway at Paris-Orly Airport, France in 2019,
- €143M Rehabilitation of runways and buildings at Nosy Be Airport, Madagascar in 2019
- €18M Reinforcement of runway at Figari Airport, Corsica in 2019
- £55M Extension of the main runway at Birmingham Airport, UK in 2015.

COLAS Australia have neighbouring subsidiaries in Reunion, Mauritius and New Caledonia which regularly deliver airport projects in these regions. We work with our Central Laboratory in Paris to validate our mix designs to ensure that they will meet the demanding performance requirements for the projects. The strength of the COLAS Group lies in our access to global resources and expertise to delivery challenging airport projects using local knowledge and capabilities.

OUR BITUMINOUS PRODUCTS FOR AIRPORT PAVEMENTS

PRODUCT	APPLICATION	BENEFITS
Binders		
SAMlbond 007	Bond coat	Non tracking polymer bitumen emulsion tack coat to increase asphalt bonding with substrate
SAMifalt Multigrade Plus	Asphalt surfacings for runways and taxiways	Offers improved performance over unmodified bitumen
SAMifalt B380	Asphalt surfacings for runways and taxiways	Offers enhanced plastic deformation resistance under high stresses
SAMifalt I-Brid	High stress areas like aprons, taxiways and runways	High performance fuel resistant binder for asphalt which is less prone to cracking and deformation than other binders
Surfacings		
Spray seals	Rural runways and taxiways	Lowest cost surfacing with a high production rate to limit disruptions to airport operations
Grooved dense graded asphalt	Airports operating jet aircraft	When used with fit-for-purpose performance binders can provide good performance
SMA14	Airports operating jet aircraft with low traffic	Ungrooved asphalt with high surface texture and long service life
Base courses		
EME2 asphalt	High modulus asphalt	Provides increased strength to the pavement for heavy wide-bodied aircraft
Preservation		
MSP3	Rejuvenation of aged bituminous surfaces	Softens oxidised bitumen in aged surfaces to retard cracking
Sealcoat	Enrichment of aged bituminous surfaces	Helps extend the life of oxidised bituminous surfaces by adding more bitumen
Sealcoat FRM	Fuel resistant coating	Protects underlying asphalt from fuel spillages
COLMAT Microsurfacing	Thin resurfacing for lightly trafficked areas	Prevents the ingress of water into the existing surface by sealing the micro cracks
SAMifilla HM & Crack Stix	Joint & crack sealant	Hot pour joint & crack sealant for asphalt and concrete

When planning any maintenance or new construction for your airport pavements, please contact our local office who can arrange for our technical experts to provide you with advice on the most suitable products to use on your project. For COLAS no job is too small or too big, we can provide these products and services individually or package them together to suit your needs.



Echelon paving the main runway on the Charles De Gaulle airport in Paris.



Resealing Parkes Regional Airport, NSW in January 2020

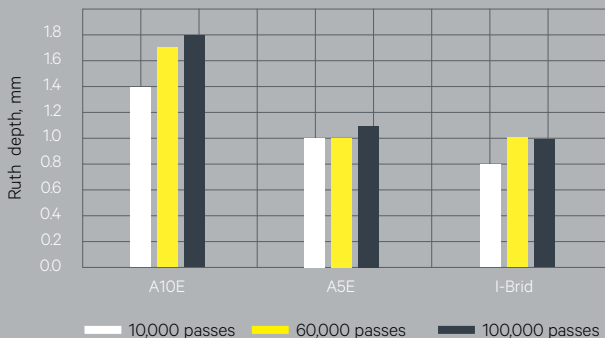
OUR LOCAL AIRPORT OPERATIONS

Over and above our global capability, the COLAS Group, through its subsidiaries in Australia, are well placed to provide a wide range of bituminous products and contracting services for the construction and maintenance of airports pavements. These products range from providing special binders for asphalt to sprayed seals, high performance asphalts and a range of preservation treatments for airside pavements. From offering specialised products and services we also manage projects from start to finish and can provide everything from rubber removal to line marking, cable slots and runway friction testing. We have a dedicated team of specialists with experience in delivering airport projects across Australia to support our operational people in the field so that your project is delivered on time and on budget every time.

The COLAS Group in Australia has a fully integrated supply chain to deliver these products and services. These resources consist of state-of-the-art fixed binder and aggregate production plants, mobile binder blending and asphalt production plants, asphalt, spray sealing, microsurfacing and Seal Coat application crews.

Our products and services for airport pavements are backed by:

- An expert team of people who have extensive experience in designing spray seals, asphalt and microsurfacing mixes for airports.
- Well-equipped laboratories which can develop and test binders, asphalt and microsurfacing products specifically for airports conditions.
- Latest paving equipment which are fitted with joint heaters and GPS level control, rollers fitted with Intelligent compaction monitoring devices.
- Selection of modern mobile asphalt plants to undertake small or large works packages.



APPLICATION OF OUR PRODUCTS AND SERVICES ON LOCAL AIRPORTS

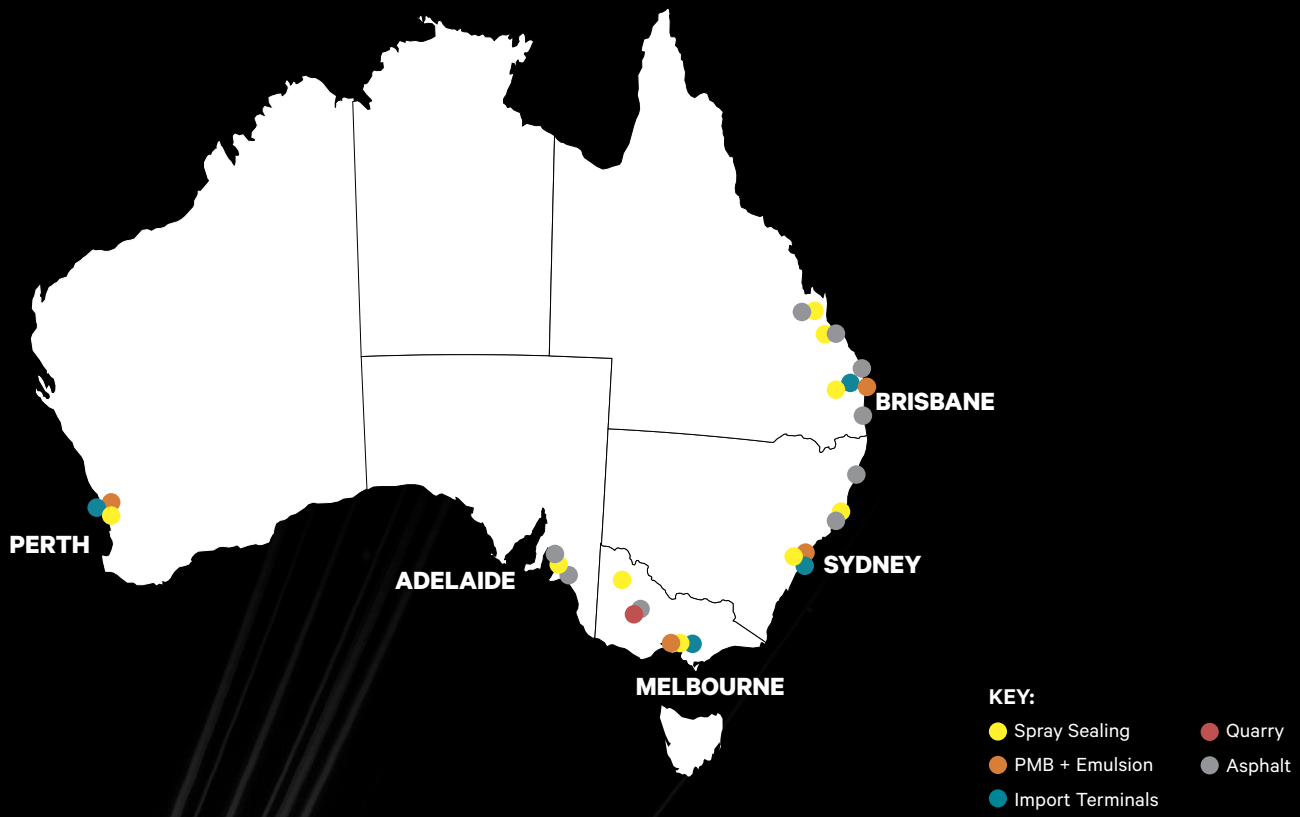
PRODUCT	LOCATION	PROJECT DETAILS	DATE
SAMbond 007	Sale, VIC	Resurfacing main runway	2019/20
SAMbond 007	Solomon, WA	Resurfacing main runway	2020
SAMbond 007	Sydney, NSW	Main runway and taxiway	2020/21
B380	Port Hedland, WA	Resurfacing main runway	2019
B380	Wodgina Airport, WA	Resurfacing main runway	2019
B380	Duketon Airport, WA	Resurfacing main runway	2019
B380	Solomon, WA	Resurfacing main runway	2020
I-Brid	Bundaberg, QLD	Resurfacing apron	2020
Multigrade M1000	Sydney, NSW	Taxiways	2011
Spray sealing	Parks, NSW	Resealing runway	2020
Spray sealing	Cunnamulla, QLD	Resealing runway	2020
Spray sealing	Thargomindah, QLD	Resealing runway	2020
Spray sealing	Koodaideri, WA	Sealing new runway	2020
Spray sealing	Williamson, QLD	Resealing runway	2020
Spray sealing	Shoalwater Bay, QLD	Sealing new runway	2020
Spray sealing	Ballarat, VIC	Resealing runway	2019
Spray sealing	Donald, VIC	Resealing runway	2020
Spray sealing	Wentworth Shire, VIC	Resealing runway, taxiway and apron	2020
Grooved asphalt	Hervey Bay, QLD	Taxiway and apron	2019
Grooved asphalt	Bundaberg, QLD	Asphalt apron overlay	2020
Grooved asphalt	Hopetoun, VIC	Asphalt runway overlay	2019
Sealcoat	Sydney, NSW	Taxiway Shoulders	2018
Sealcoat	Cairns, QLD	Taxiways & RPT	2019
Sealcoat	Mackay, QLD	Taxiways & RPT	2019
Sealcoat FRM	Sunshine Coast, QLD	Parking Bays	2020
Sealcoat FRM	Alice Springs, NT	Parking Bays	2019
Sealcoat FRM	RAAF Oakey, QLD	Parking Bays	2020
Crack Sealing	Canberra, ACT	Various Locations	2020
Crack Sealing	Sunshine Coast, QLD	Various Locations	2020
Crack Sealing	Kempsey, NSW	Various Locations	2020
Crack Sealing	Birdsville, QLD	Various Locations	2020

Typical wheel tracking performance @ 65°C of AC14 with different high-performance binders



Paving Asphalt with I-Brid binder on the apron at Bundaberg Airport QLD in June 2020

For more information on our products and services please email airports@colas.com.au so we can put you in touch with our local providers in your area:



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