



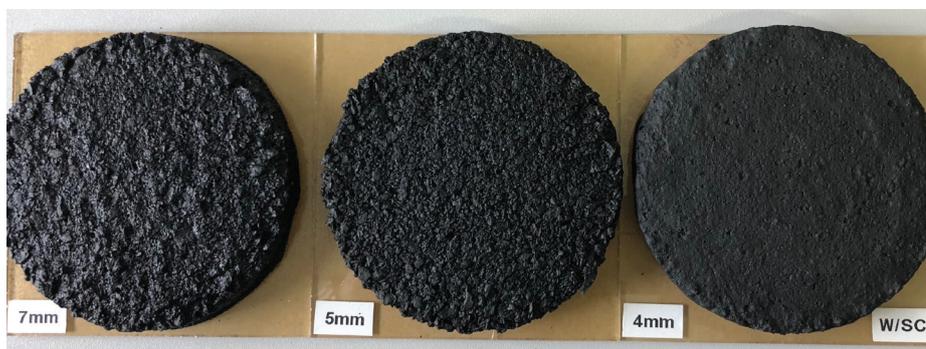
# Colmat for Airfields

## INTRODUCTION:

“Colmat” is the product name of the Colas Solutions advanced Polymer Modified Microsurfacing systems. Microsurfacing is a generic term used for proprietary Slurry surfacing products. Colas worldwide are highly experienced in designing & applying various Colmat treatments to suit individual runways & taxiways. Colas UK technical have been instrumental in co-designing an approved specification for runways & taxiways in conjunction with the Defense Infrastructure Organization in the UK. Colas Solutions have now introduced this process, along with a wealth of experience into Australia, in order to provide environmentally friendly, less disruptive, competitive alternatives to conventional treatments.

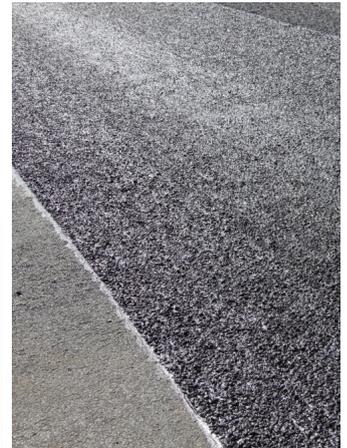
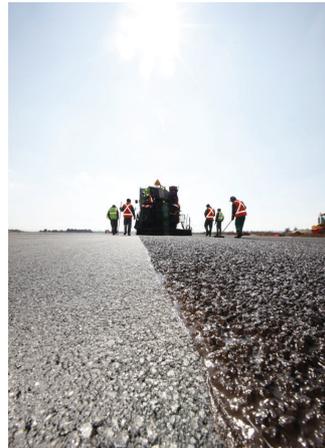
## COLMAT 5mm:

As a single coat application, this process is primarily used on Asphalt or Concrete pavements as a preventative measure to extend the lifespan of existing runways, taxiways or aprons, that have oxidized over time or are showing signs of deterioration despite maintaining a reasonable profile. This should be applied to ageing Asphalt or Concrete prior to any significant loss of existing coarse aggregate, in order to reduce the risk of F.O.D. The treatment can be effective in sealing fine embrittlement cracks that may be present. Although only a 5mm aggregate blend the finished texture depth will be around 1.5mm.





Application of 5mm Microsurfacing on existing Asphalt

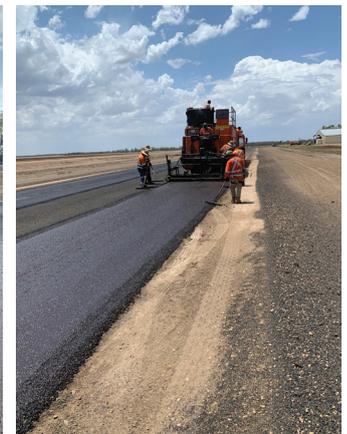


Rapid application & minimum disruption

Colmat 5mm application is a swift process, with typical production levels of above 25,000m<sup>2</sup> per shift & an initial curing period of around 30 minutes. All materials are batched through specialist computerized equipment to ensure quality, efficiency & consistency, which is backed up by Colas Solutions QA. The nominal thickness being around 5mm will seal in the existing surface, with normal life expectancy to be in excess of 5 years. The treatment can be re-applied when required, on the top of the existing Colmat.

### **COLMAT 7 or 10mm:**

Colmat 7/10mm has been designed to treat Airfields & Taxiways with a greater level of deterioration or deformation. The design advised by experienced Colas Solutions surveyors would normally be a 2-coat application with a nominal 15m thickness. The 7 or 10mm base would be applied as a correction course to alleviate any wheel rutting or deformities. The wearing course can be applied after 24 hours & can be either the 5,7 or 10mm system. Curing time remains the same for each application of Colmat.



During Application of Colmat 7mm

**Address:** 1B Sesame Court, Slacks Creek, QLD 4127

**Phone:** (07) 3081 4385

[www.colassolutions.com.au](http://www.colassolutions.com.au)

