

Wide Area Aerial Dispersant Service / Boeing 727



OSRL provides a specialised aerial dispersant service utilising **Boeing 727 aircraft** to deliver rapid-response dispersant application over wide areas. This service enables efficient oil spill response with high-capacity dispersant systems, suitable for large-scale incidents.

Key Facts

- **Fleet:** Two Boeing 727 aircraft, based at London Southend Airport, UK
- **Mobilisation:** Primary aircraft available within 4 hours; backup within 48 hours
- **Dispersants:** Approved for multiple dispersants, including Corexit EC9500A, Slickgone NS and Finasol OSR52
- Equipped with Tersus Aerial Dispersant Delivery System (15,000-litre capacity)

Performance

- **Max Cruise Speed:** 507 kts (without spray booms)
- **Max Range:** 2,500 nm (1,400 nm with booms)
- **Minimum Runway:** 6,000 ft



Specifications

Aircraft Dimensions	
Length	153 ft
Wingspan	108 ft
Height	34 ft
Weight	
Empty	97,471 lbs
Max Payload	56,672 lbs
Max Take-off	203,100 lbs

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The Boeing 727 Aerial Dispersant Service is based at the London Southend Airport in the UK, available to OSRL Participant and Associate Members under the Service Level Agreement (SLA). This strategic positioning supports rapid deployment across a broad response area.



What is the Tersus Aerial Dispersant Delivery System?

- Modular seven-tank system with a 15,000-litre dispersant capacity
- Variable flow rate between 500 to 1,200 litres per minute
- Spray altitude: 150 ft, at 150 knots
- Swath width: 110 ft, with automated monitoring for dispersant application

Package

- Two Boeing 727 aircraft outfitted with the Tersus system, providing flexibility for primary and backup options
- Satellite tracking and verbal satellite communication capabilities for real-time updates
- Support for dispersants approved by regulatory bodies for quick response to oil spills

