



Dovetail Anchoring System DFS01

A NEW BREED OF SMART SYSTEMS

- Environment Use:** Internal and External - Open and closed joints
- Panel Thickness:** 10mm to 50mm
- Cavity Range:** 100mm to 340mm
- Material:** Aluminium Alloy 6063 T6 (milled finish as standard or anodised black for Facade+)
Stainless Steel A2 standard (or A4 for Facade+)
Polypropylene PPC 9712
Facade Material: Choose from 1,000's of materials and finishes
- Product Code:** DFS01
- Designed, Manufactured and Tested in the UK to BSi and CWCT Standards.

A SPECIALIST SUPPORT SYSTEM

The Dovetail Anchoring System is packed with smart design features. The smallest details have been considered to enable safer installation and reduce stress within the assembly and performance of the system.

- **Colour coded QA panel clips** - The panels clips are supplied colour coded for quick QA checks on site to ensure the correct clips are been placed in the correct locations. These are mechanically fixed at two points for enhanced envelope security.
- **Movement** - There is a movement slot on the white panel clip to reduce stress transfer between the carrier rails and the cladding panel when you have thermal movement cycles through the seasons.
- **Intuitive Guidance** - Surface rebates guide best practice edge distances with the screw assembly. We have even punched a cross hair line into the movement point just to ensure the screw is fixed in the centre of the movement slot.
- **Single purpose use brackets** - Our dead load brackets use only fixed point holes. This ensures QA on the screw assembly i.e. a screw cannot be placed in a movement slot by accident thus reducing human error in assembly and performance.
- **Symmetrical loading** - We have designed the dead load bracket to work symmetrically when dealing with combined dead load and negative wind load.
- **Stress reduced brackets** - Our flexible brackets are truly flexible. They are designed to move through the seasons temperature range and absorb deflection. The fixing points are set 100mm apart offering a shorter span between bracket points, reducing midspan deflection on vertical rails. Our flexible restraint brackets have just 2 single holes to place a fixing into. This reduces typical human error of creating a dead load transfer which can be a result of placement and over-torquing fixings, typical in other brackets on the market.
- **Stress reduced panel anchoring** - The facade panels are supported by specialist undercut anchors. Panels will typically feature four of these at equal distances from each of its corners to guarantee an even distribution of lateral load.

DFS01 is an ideal support system for a wide range of porcelain, ceramic, technical stone and natural stone panels with a thickness range from 10mm to 50mm. The system is suitable for both standard grid and random pattern facades.

Tested to CWCT standards for:

- Water Penetration - Dynamic Pressure
- Wind Resistance - Serviceability
- Wind Resistance - Safety
- Hard & Soft Body Impact test - Serviceability
- Hard & Soft Body Impact test - Safety

