

QUALITY ALERT

Created By: Ben James (Quality Manager)

Authorised By: James Brown (Director)

Business:	MIDA Civil Engineering Ltd		ALERT																					
Title:	Correct Choice and installation of Aco Channels	Reference No:	QA44																					
Issued By:	Sam James	Issue Date:	19 th June 2025																					
Type of Alert:	Quality & Compliance																							
Subject:	Correct Choice and Installation of Aco Channels																							
Operatives Affected:	Engineers and Site managers and operatives																							
Details:	There have been recent cases of Aco Channels collapsing and breaking in finished drive situations and we must use the correct loading and install to given details at all times to avoid these issues	Note: Load classification is not representative of a static weight loading <table><thead><tr><th>Class</th><th>EN 1433</th><th>Typical uses</th></tr></thead><tbody><tr><td>A 15</td><td></td><td>Pedestrian, cycleways, minimally trafficked areas (light domestic vehicles only).</td></tr><tr><td>B 125</td><td></td><td>Pedestrian precincts, light vehicles, private car parks and drives.</td></tr><tr><td>C 250</td><td></td><td>Parking areas, service stations (cars) and slow-moving light commercial vehicles.</td></tr><tr><td>D 400</td><td></td><td>Public Highways, parking areas for all types of vehicles.</td></tr><tr><td>E 600</td><td></td><td>Industrial areas, heavy wheel loads, slow-moving HGV's and forklifts, service stations.</td></tr><tr><td>F 900</td><td></td><td>Airport runways, very heavy industrial and military installations, service yards and lorry parks.</td></tr></tbody></table> A drainage channel will experience a multitude of forces over its lifetime, for example compression, tension and torsion. Because of this it is imperative that the correct load class requirements are taken into account when specifying which channel is required.		Class	EN 1433	Typical uses	A 15		Pedestrian, cycleways, minimally trafficked areas (light domestic vehicles only).	B 125		Pedestrian precincts, light vehicles, private car parks and drives.	C 250		Parking areas, service stations (cars) and slow-moving light commercial vehicles.	D 400		Public Highways, parking areas for all types of vehicles.	E 600		Industrial areas, heavy wheel loads, slow-moving HGV's and forklifts, service stations.	F 900		Airport runways, very heavy industrial and military installations, service yards and lorry parks.
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Action Required:	Guidance and understanding of the choice use and importance of installing to given design of Aco channels to be fully understood across MIDA																							
Further Information:	Aco Product guides MIDA OI 4.5	We must use B125 upwards when in drive situations, Galvanized A15 ratings are pedestrian loading only and use what is specified on drawings																						
Method for Communication:	Briefing by Site Manager to groundworkers via TBT Alert																							