

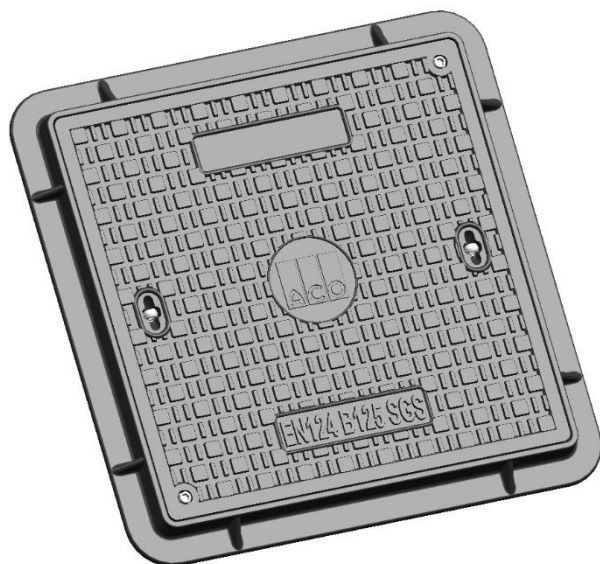
NEW



**ACO. creating
the future of drainage**

ACO Composite Manhole Covers

Material performance that meet global standards



ACO Composite Manhole Covers

The material

Sheet molding compound (SMC) resin is a fiberglass-based compression molding that is used in applications that require high strength. SMC is comprised of several materials including fiberglass, polymer resin, release agents and thickeners.



Why choose Composite Manhole Covers?

- Low risk of theft
- Available in round and square top sections
- Light, Medium and Heavy load classes (A15 – E600) for different applications
- Low maintenance and easy installation
- High chemical resistance to light oil and hydrocarbon
- High resistance to biological substances
- Light weight elements compared to concrete products
- Thermal stability and UV resistance
- Conforms to BS EN124 standards



Features and Benefits

- Two SS screws ensure secure locking of frame and cover
- Two vented opening holes makes it easy to lift the cover with tools
- Durable – manufactured from SMC material
- Sustained load tested
- Fire resistant
- Impact tested
- Lightweight – minimizes lifting / maintenance injuries



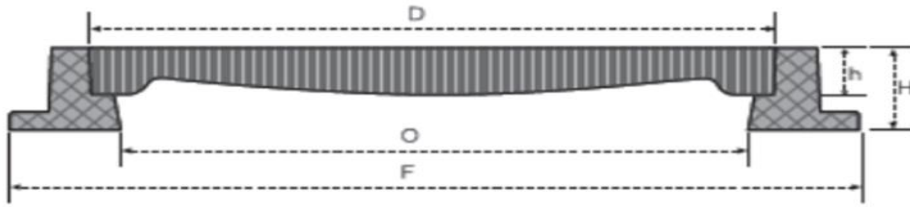
Typical applications

- Pedestrian walkways and pedal cyclists
- Car parking decks
- Driveways
- Coastal areas (near beaches and waterways)
- Footpaths
- Residential areas
- Sewer & Storm water drains
- Fuel and trade waste
- Water Parks and recreational areas

ACO Composite Manhole Covers

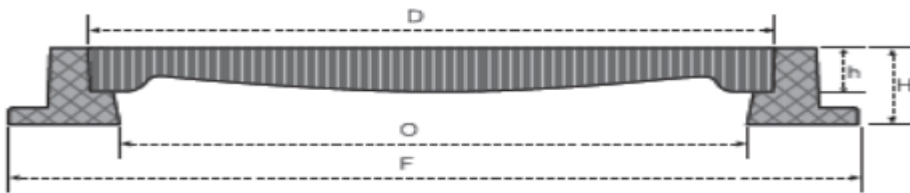


Product information



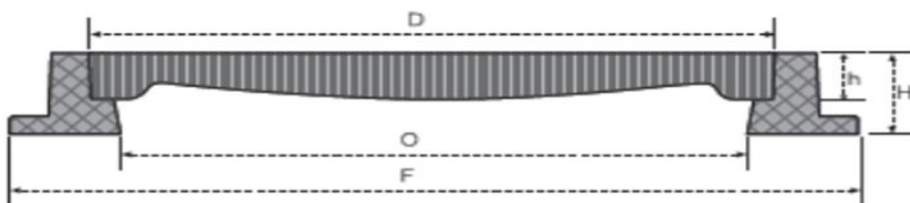
Black

Product Codes	Clear opening	Load class	O	D	F	H	h	Lock	Seal
ZA-MR112D	600	D400	600	650	790	100	48	Yes	Yes



Black

Product Codes	Clear opening	Load class	O	D	F	H	h	Lock	Seal
ZA-MS220A	450*450	A15	450*450	500*500	620*620	75	50	No	No
ZA-MS220B	450*450	B125	450*450	500*500	620*620	75	50	No	No



Black

Product Codes	Clear opening	Load class	O	D	F	H	h	Screw	Seal
ZA-MS209D	600*450	D400	600*450	655*505	760*610	100	50	Yes	Yes
ZA-MS209B	600*450	B125	600*450	655*505	760*610	100	50	Yes	Yes

EN124 Load Class Standards



Group	Traffic Description	Class	Proof Load kN
1	Areas which can only be used by pedestrians and pedal cyclists.	A15	15 kN
2	Footways, pedestrian areas and comparable parks or car parking decks.	B125	125 kN
3	For gullytops installed in the area of curbside channels of roads.	C250	250 kN
4	Carriageways of roads (including pedestrian streets), hard shoulders and parking areas, for all types of road vehicles.	D400	400 kN
5	Areas of imposing high wheel loads, e.g. dock and aircraft pavements.	E600	600 kN

ACO Product Portfolio



collect

The surface water or the liquids being treated are collected from the surface as quickly and as completely as possible by the drainage system. This part of the ACO systems chain guarantees protection, safety and comfort for the people, buildings and traffic routes in the immediate vicinity.



clean

The collected liquids are treated using integrated physical, chemical or biological processes that ensure they can be discharged into the public sewers – the minimum requirement. This part of the ACO system chain creates the conditions for recycling and sustainable use.



hold

Containers, barriers and valves ensure that the liquids stay within the drainage system where they can be properly controlled. This part of the ACO system chain enhances protection and safety for extreme situations: e.g. heavy rain, flooding or handling hazardous liquids.

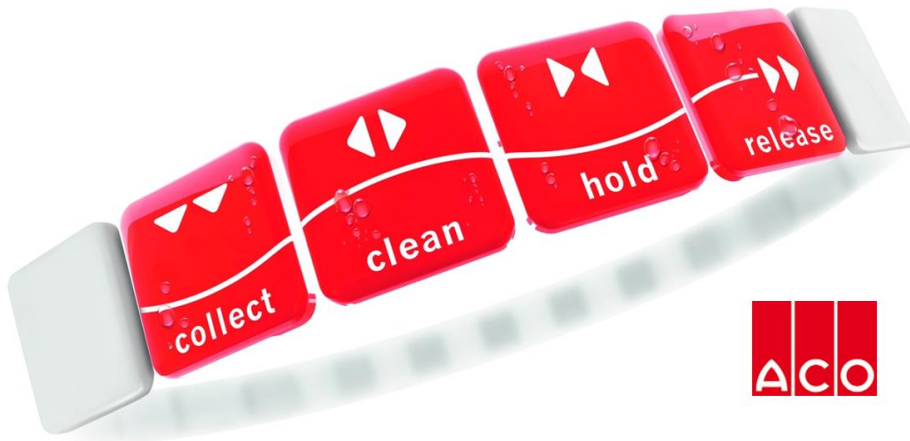


release

Pumps, lifting plant and pipe systems transfer the collected, treated and controlled water into the downstream system and processes. This part of the ACO system chain brings the collected, treated and controlled water to the surfaces for further treatment, reuse or release.



ACO. creating the future of drainage.



www.aco.co.za



www.buildingdrainage.aco



www.hygienefirst.com

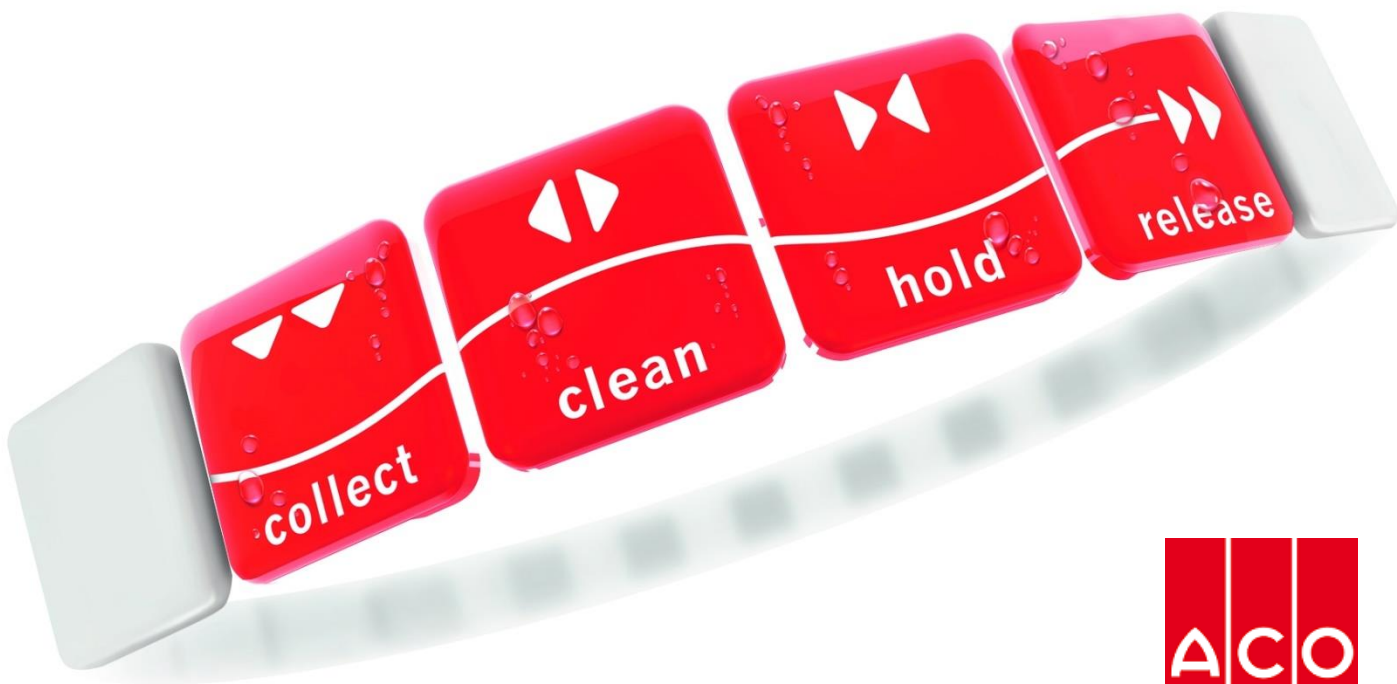
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