

TECHNICAL DATA SHEET - TDS-71

ecoAnchor II



ecoAnchor II - Water Filled Mobile Anchor

The ecoAnchor is a totally unique concept using renewable resources for both manufacture and installation. The anchor is constructed of a lightweight special natural rubber material that holds the bag in a solid form when filled with water. When installed the weight of the water in the ecoAnchor combined with the friction generated from the rubber material provides a secure freestanding anchorage. This can easily be installed without carrying heavy steel weights traditionally required for this application. When empty, the ecoAnchor weighs just 8kg (17lbs).



Fill & Drain Point

Combined filling and draining point with one way valve. Filler takes standard hose connectors.



Pressure Release Vent

Corner vent releases air when filling to ensure correct pressure. When the valve begins to release water the ecoAnchor is ready to use.



Label

Clear and concise labelling states the scope and limitations of use.



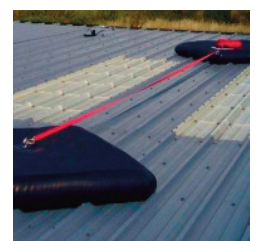
Single Edge Seam

Hot bonded, stitched, and autoclave cured seam around the edge ensures a watertight seal.



360 Degree Swivel

Attachment eye rotates 360° for correct orientation during use.



Temporary Lifeline Anchorage

Two ecoAnchors can be used as end anchors for a Checkmate temporary lifeline system by using either an HLLI or HLLIW.

ordering information

Part No.	Description	Weight
ECO-ANCHOR	ecoAnchor	8.0kg
ECO-ANCHOR-NET	Lifting net and pressure valve bung	2.5kg
PPERBM	Medium rope bag	0.5kg

Storage instructions



Drain

Empty the bag by unscrewing the drain cap. When almost empty, lift the the bag to remove the remaining water.



Fold

Fold twice as shown in photo, carefully expelling any remaining air until flat.



Roll

Roll lengthways until compressed into a small roll and secure with fitted straps.



Stow

Stow anchor back into it's holdall for easy stowage and transportation.

ECO-ANCHOR-NET Lifting net

The ecoAnchor can be lifted when full if there are facilities to lift the ecoAnchor into a position with no water supply, or between different locations on site. A bespoke lifting net is available from Checkmate as a seperate item, and is the only way to move an ecoAnchor when full. During the lift the pressure valve must be fitted with the supplied stopper, which must be removed before use.



Specifications

- Material**
 Fire resistant Neoprene re-enforced with Nylon
- Dimensions**
 1.45m x 1.45m x 0.2m [4'9" x 4'9" x 8"] Nominal
- Weight**
 Empty = 8kg [17lb] Full = 430kg [946lb]
- Pressure Loading**
 2.7kN/m² [0.42lb/inch²]
- Puncture Resistance**
 Meets FED STD 191 part 1520
- Roof Types**
 EPDM, Mineral Felts, Concrete, metal deck,
 [Separate document for approved surfaces and angles available on request]

Standards:
EN 795 Class E



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