



Concrete Weavers LLC





it's a concrete miracle

USER GUIDE:
EQUIPMENT LIST





CONCRETE WEAVERS REQUIRED EQUIPMENT LIST

- Concrete Weavers does not require specialist contractors for the most of applications. Installation is quick & easy, gave that Installation rules are followed & the proper equipment is utilized.
- Wear proper PPE & Dust harzard.
- There are four easiest/simple steps for all Concrete Weavers Installation which must be followed.
 1. Deployment / Arrangement
 2. Fixing
 3. Hydration
 4. Jointing
- Equipment needs will differ from project to project but the following list is suitable for majority of installations. Concrete Weavers LLC have most of the below equipment for purchase or hire basis.

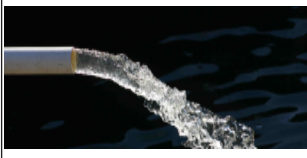




DEVELOPMENT

REQUIRED EQUIPMENT		Concrete Weavers Bulk rolls weigh approximately 1.5 Ton. For handling & deployment of heavy goods is required appropriate plant on site	
2 Ton Forklift	Delivery	A suitable delivery vehicles is required for offloading heavy goods. Truck with Crane or Haib or forklift is required in advance.	
2 Ton Spreader Beam	Development	Bulk rolls of Concrete Weavers are normally deployed/ sent through plant mounted spreader bars (rated to 2 ton) along these lines to regular geosynthetics.	
Cutting Edge Blade	Cutting (Small Projects less than 100m2)	Using basis hands tools Concrete Weavers can be cut. The cement dust inside the material will blunt blades so replaceable or disposable knives are recommended.	
Disc Cutter / Angle Grinder	Cutting (Larger Projects more than 100m2)	For bigger project with various cuts are required, a cutting power tool such as an angle grinder or disc cutter is recommended.	

FIXING

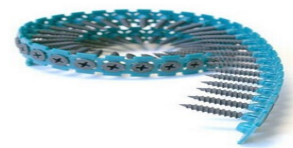
REQUIRED EQUIPMENT		Concrete Weavers is required following deployment to secure to the substrate to ensure the material isn't displaced during use. The following fixings can be used depending on the substrate.	
Galvanized/Stainless Steel J- pegs/Hook	Soil Substrates	At regular intervals Concrete Weavers should be fixed to the substrate along its length & through any overlaps using J-pegs. The main edge of the Concrete Weavers (i.e at the peak of a V-ditch) should be anchor trenched to a project specific depth, the excavation of which should form part of the subgrade preparation/arrangement before installation.	
Hammer Lump			
Fixings (masonry bolts, nails,screws with>15mm washer)	Concrete or Rock Substrates	While remediating existing solid foundation, Concrete Weavers should be fixed to the concrete substrate utilizing standard off-the-shelf concrete anchors or shot fired masonry nails in conjunction with a minimum >15mm washer. The length & frequency of fixings is project specific. A means of installing these mechanical fixings is also required.	
Disc Cutter / Angle Grinder			

HYDRATION

REQUIRED EQUIPMENT		To Hydrate Concrete Weavers following deployment & fixings are required. This must be done proactively and it is not recommended to rely on rainfall for hydration. Follow the Concrete Weavers Hydration Guide.	
Mains Water Supply	Mains Water Supply	A minimum volume of water equivalent to 50% of the material weight and an appropriate application methods are required.	
Sufficient Length Hosing			
Water Bowser	Water Bowser	A water bowser can be utilized as an alternative methods for hydration if access to a mains water supply is inaccessible.	
Diesel Water Pump			
Sufficient Length Hosing			

JOINTING

REQUIRED EQUIPMENT		Normally Concrete Weavers layers are overlapped by 100mm toward water flow stream & jointed utilizing any of the following options. Jointing techniques / methods are project specific. & provide varying mechanical strengths & impermeability.
Automatic Screwdriver (Cordless Recommended)	Both / Screws	This joint is appropriate for most of applications & is quick & easy to apply. It provides great mechanical strength however with limited impermeability. The screws should be connected at 200mm spacing & 30-50mm from the edge of the Concrete Weavers. Follow the Concrete Weavers Jointing & Fixing Guide
Stainless Steel		
Caulking Pistol / Gun (powered with recommended)	Adhesive / Glue Sealant	Concrete Weavers can be jointed with an adhesive sealant for applications where improved impermeability is required. In addition to the screws, this is applied as a single 8 mm bead to improve the joint impermeability or as double 8mm bead without screws. Follow the Guide to Jointing & Fixing Concrete Weavers.
Adhesive / Glue Sealant Cartridge		
Ground / Grout Compound	Ground / Grout	Applications where the Concrete Weaver is ended onto a Concrete interface (i.e. headwall) or where a high quality joint is required with good impermeability, a cementitious grout can be applied on the main top edge of overlapped Concrete Weavers.
V-Profile Pallet Blade		
Leister Twinny S or T	Thermal Bonding / Welding	For applications where a high level of impermeability is required. The joint can be formed using hand tools or utilizing a automatic thermal welding machine. The latter enables joints to be formed at a rate of 1- 1.5m/min. Follow the Concrete Weavers Thermal Bonding & Welding Guides.



Office Address:
Opal Tower, Office 1104, Burj Khalifa Street,
Business Bay, Dubai – UAE.
Tel: +971 4 876 8639

Sheikh Saeed Al Maktoum Complex, Warehouse #86,
Industrial Area 1, Jebel Ali, Dubai – U.A.E.
Mobile: +971 52 985 0269 | Tel: +971 4 451 9899

Email: info@concreteweavers.com | Web: www.concreteweavers.com