DEBRIS SCREENS
Method Statement

Application

Dansea Debris Screens are made to be compatible with tube and fitting as well as systems scaffolds, and are designed for efficient and safe attachment to scaffold tubing.

Description

1. Debris Screens are 1.2m or 2.4m long, 1m or 1.8m high and 2.5mm thick.
2. The galvanised 'Sping Wire' steel mesh has 100mm square openings, and comprises wires 3.3mm diameter, with double perimeter wires for additional strength for fixing.
3. The mesh is encapsulated in UV stabilized semi-transparent polyethylene sheeting.
4. Debris Screens are secured to the supporting scaffold by fixing wire or cable ties of adequate strength and spacing, for the applicable wind velocity pressure. Fixings should be in accordance with your company and project engineers' safety guidelines. General recommendation for zip ties are Nylon Heavy Duty UV Black 300mm long x 7.6mm thick.

Design

1. The maximum allowable wind velocity pressure on Debris Screens is 1.25kN/$m^{2.}$
2. If Debris Screens were to be wind loaded to 1.25kN/m^2, the safe working load for ties spaced at 600mm would be at least 0.75kN (77kg).
3. For Debris Screens loaded to the more typical wind velocity pressure of 0.60kN/m^2 based on 40m height*, the safe working load for ties spaced at 600mm would be at least 0.36kN (37kg).

Installation

1. Place the first Debris Screen against the top handrail and bottom ledger, and secure at top and bottom at the first edge, with the appropriate tie for the design wind velocity pressure.
2. If required overlap subsequent Debris Screens generally sufficiently to secure through both overlapped Debris Screens with the appropriate tie at top and bottom.
3. At the bottom, locate Debris Screens on the inside of the timber toe board.

* "A Guide to the Selection and Use of Temporary Edge Protection Systems", Edge Protection Federation, Code of Practice 2007, p10.

Debris Screen Benefits

1. Debris Screens are light and easy to transport and handle
2. The polythene enclosed mesh secures the environment against debris from inside the project and the scaffold from debris from outside the project.
3. Debris Screens are flexible, durable and resistant to damage.
4. Galvanising ensures long life and re-usablity.
5. Debris Screens are available in a range of colours, and can be individually branded for the contractor, or the project owner.