

SPECIFICATIONS

○ CEMSEAL VERSIDRAIN 6P ○ UNDER-SCREED DRAINAGE

1 GENERAL

All work in this Section shall comply with the requirements of the Contract Documents. Supply and install under-screed drainage as shown on the drawings or specified herein.

2 MATERIALS

2.1 Under-screed Drainage

The under-screed drainage for paved and tiled areas susceptible to efflorescence or water-retention shall be CEMSEAL VERSIDRAIN 6P drainage sheets supplied by Cemseal Industries Sdn Bhd (Tel: +607-558 3320, Fax: +607-556 9127, E-mail: info@cemseal.com.my) or approved equivalent.

GENERIC SPECIFICATION

The under-screed drainage for paved and tiled areas susceptible to efflorescence or water-retention shall be perforated dimpled sheets manufactured from 100% recycled plastics with Singapore Green Label certification. The interlocking perforated dimpled sheets shall provide drainage and a capillary break beneath the bedding screed.

Typical properties of the under-screed drainage sheet are:

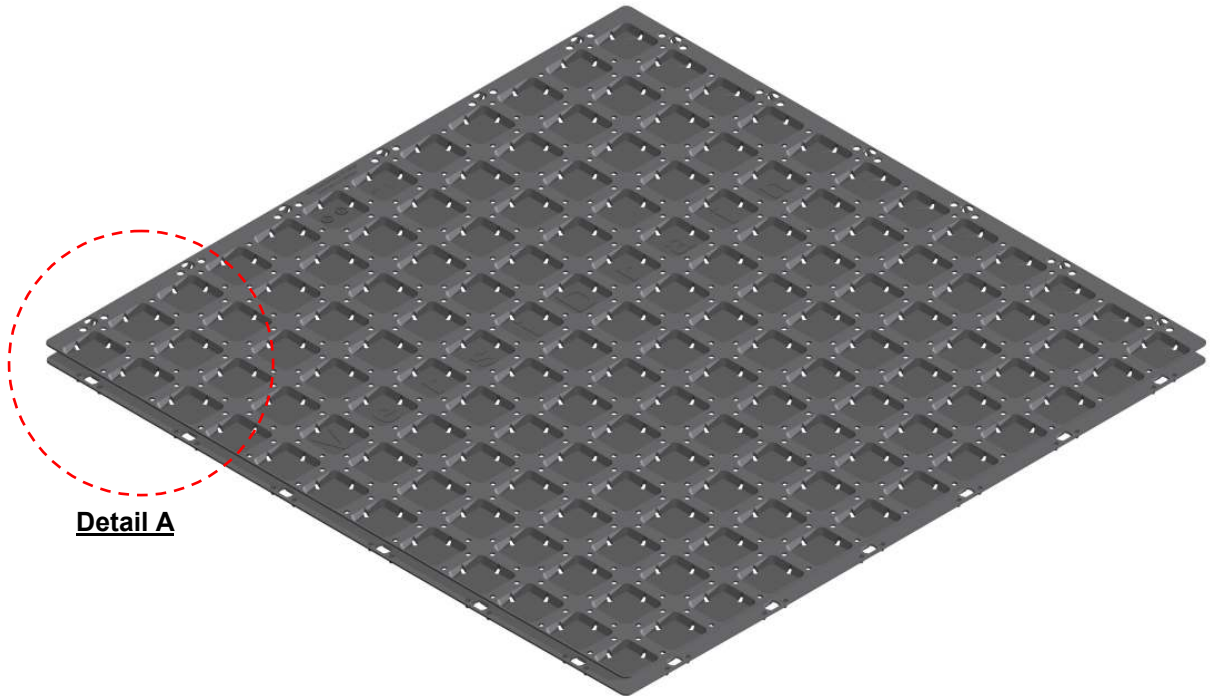
PROPERTY	VALUE
Material	Polypropylene
Sheet thickness	1.2 mm
Overall Height	6 mm
Weight	~3 kg/m ²
Compressive strength	> 80 tonne/m ² (unfilled) > 1500 tonne/m ² (with Grade 20 cement and sand screed)
Root penetration	Resistant
Biological resistance	Unaffected by moulds and algae
Chemical resistance	Resistant to rot, oils, acids, alkalis, bitumen and naturally occurring soil chemicals
Service temperature	-30°C to 80°C

SPECIFICATIONS

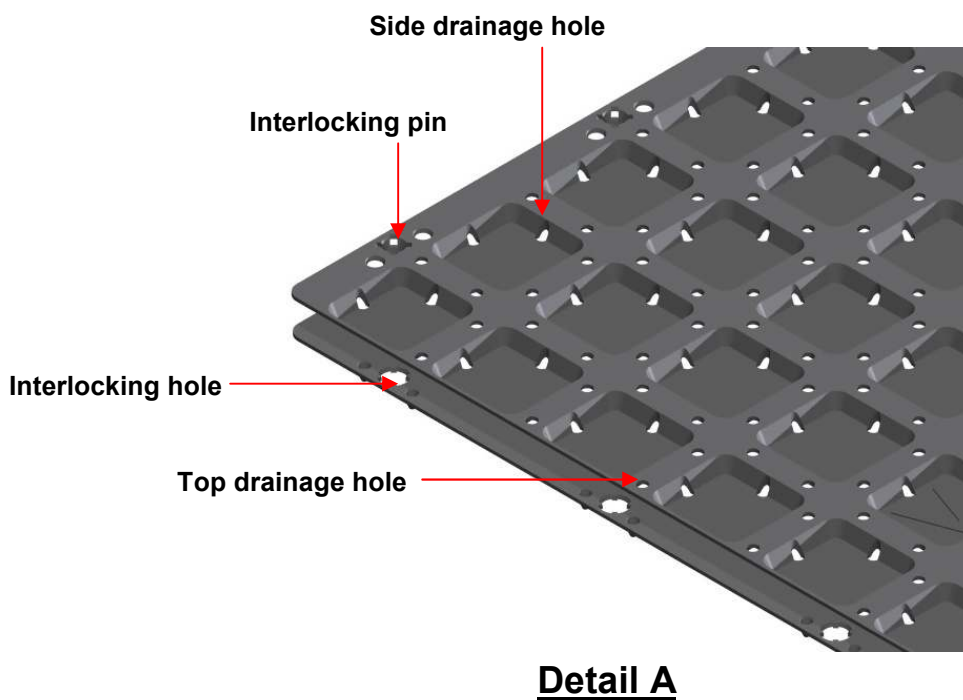
3 EXECUTION

- 3.1 The proprietary materials specified herein shall be provided / installed in accordance to the project requirement as approved by the Superintending Officer.
- 3.2 Proprietary materials supplied shall be identified clearly with the product name and description. Packaged materials shall be stored in manufacturer's wrappings and containers with the manufacturer's labels and seals intact
- 3.3 Prior to installation, the Contractor shall submit Method Statements and / or Shop Drawings for the installation of the under-screed drainage sheet. The latter shall be on at least A3 size paper or larger and in a CAD-recognisable format.
- 3.4 The substrate shall be structural cast or screed to fall to allow smooth discharge of water at the edge of the paved and tiled areas.
- 3.5 Lay with the studs down and interconnected with proprietary interlocking pin and hole system to form a continuous entity. Cut as necessary at drainage gully or plinth areas etc.
- 3.6 The Contractor shall organise an inspection of the under-screed drainage sheet installation prior to subsequent works.
- 3.7 Minimum 50 mm thick cement and sand protection / bedding screed is required as a ballast / protection for subsequent build-up works.
- 3.8 The installed area shall be protected from construction traffic, free from silt, debris or other foreign material that may impair the under-screed drainage.

SPECIFICATIONS



CEMSEAL VERSIDRAIN 6P



PROJECT REFERENCES

HENDON CAMP *DSTA*

NTU SCHOOL OF BIOLOGICAL SCIENCE *CPG Consultants*

NTU BIO-ENGINEERING & BIO-MOLECULAR ENGINEERING TEACHING BLOCK *CPG Consultants*

NTU NEW ENERGY CONVERSION LABORATORY BUILDING *CPG Consultants*

NTU SCHOOL OF MECHANICAL & AEROSPACE ENGINEERING *CPG Consultants*

NTU SCHOOL OF COMMUNICATION & INFORMATION (A & A) *CPG Consultants*

RITZ CONDOMINIUM *MKPL*

NASSIM ROAD RESIDENCE *CSYA*