

## Floating Wetland Specification Guide

### Geo-Matrix Media GM45 & GM55 | 3D-4D

#### BENEFITS

- ▶ Easy transport and handling
- ▶ Fully integrated planting substrate
- ▶ Lightweight construction
- ▶ Planting media resistant to wave action and erosion
- ▶ Straightforward installation — no edging, top netting, or separate media required
- ▶ Economical
- ▶ 16 shapes available, plus custom options
- ▶ Well suited to open water locations

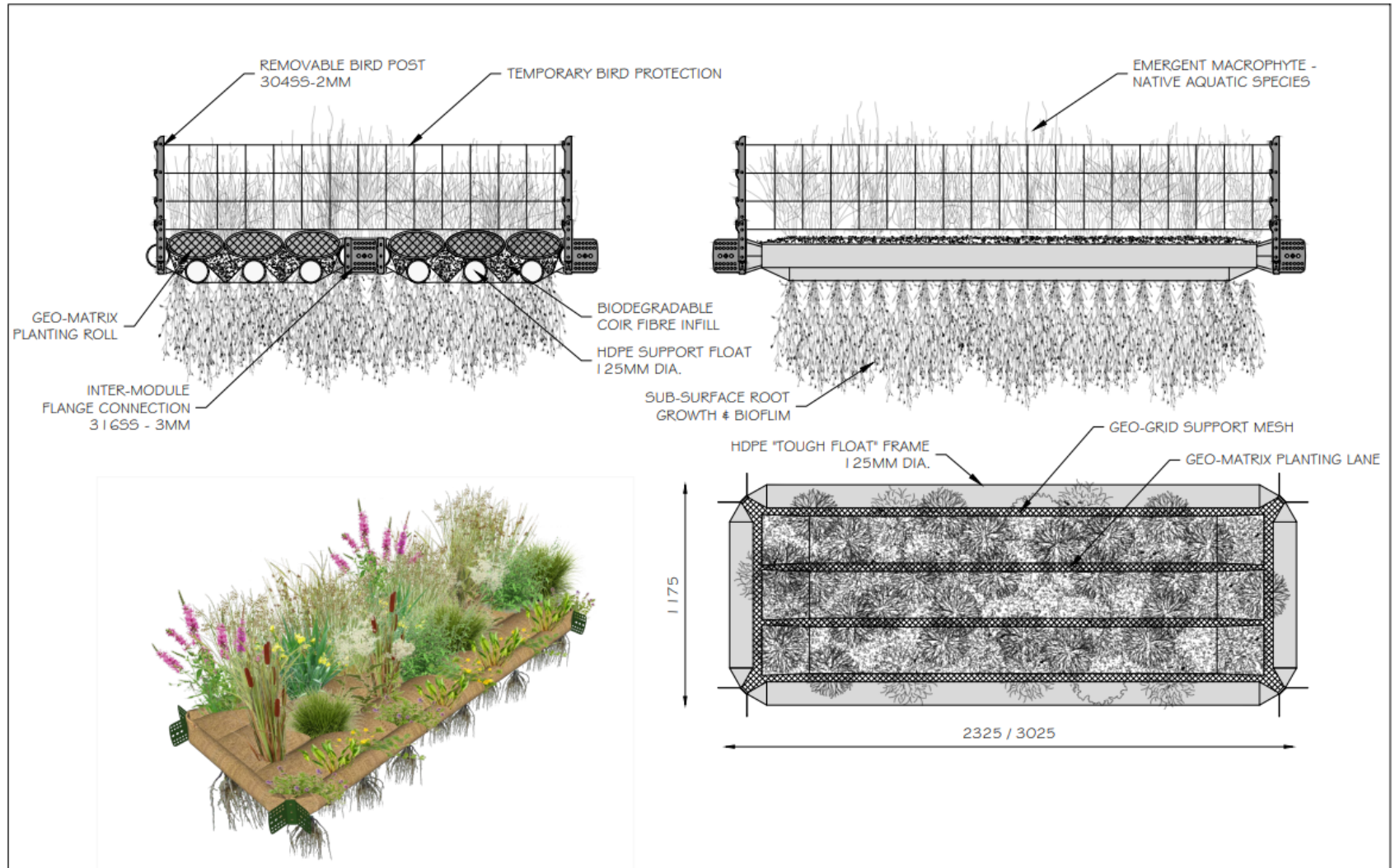
#### REQUIREMENTS


- ▶ Best suited to applications where it will be viewed horizontally across the water
- ▶ May require seasonal addition of mulch, wood chip, or straw to maintain natural organic cover
- ▶ During winter vegetation dormancy, structure may be visible
- ▶ Fresh water (not saline) required to support robust plant establishment

#### OPTIONS

|   |   |
|---|---|
| <b>GM45</b>   | <b>45 kg total buoyancy per m<sup>2</sup></b> |
| <ul style="list-style-type: none"> <li>– Coir &amp; Geogrid flexible planting lanes</li> <li>– 125mm frame with 2 × 125mm support floats</li> <li>– Larger islands — load distributed over multiple rows of modules</li> </ul>    |   |
| <b>GM55</b>   | <b>55 kg total buoyancy per m<sup>2</sup></b> |
| <ul style="list-style-type: none"> <li>– Coir &amp; Geogrid flexible planting lanes</li> <li>– 125mm frame with 3 × 125mm support floats</li> <li>– Suited to thinner sections with higher anticipated load per module</li> </ul> |   |

# Geo-Matrix Media GM45 & GM55 | 3D-4D



|   |                                       |                          |                                    |                            |
|---|---------------------------------------|--------------------------|------------------------------------|----------------------------|
|  | <b>DRAWING.</b><br>GEO-MATRIX 55      | <b>DRAWN BY</b><br>NS    | <b>SCALE</b><br>NTS                | <b>DATE</b><br>17 FEB 2026 |
|   | <b>DRAWING NO./REV</b><br>GM55 - V1.1 | <b>APPROVED BY</b><br>EH | <b>TYPE</b><br>GENERAL ARRANGEMENT |                            |

EDGE DETAIL – Geomatrix



## Natural Matrix Media NM75, NM85 & NM100

### BENEFITS

- ▶ Natural planting media aesthetic
- ▶ Well suited to locations viewed from above or in close proximity
- ▶ Floats and support layers fully concealed below planting substrate
- ▶ Consistent gravel/mulch-like top surface
- ▶ Biomimics natural riparian substrates
- ▶ Suitable gravel-type understory for mosaic habitat creation
- ▶ Supports a wide range of plant diversity — terrestrial to emergent aquatic (strawberries to reeds)
- ▶ Easier ongoing vegetation management and replanting
- ▶ 16 shapes available, plus custom options

### REQUIREMENTS

- ▶ Well suited for edge locations and urban settings
- ▶ Generally limited to wave heights below 0.5m — excessive movement can displace planting substrate
- ▶ Assembled in sections; top net, edging, planting media, and plants added once on the water
- ▶ Reasonable skill level required — Biomatrix support or approved installer training recommended

### EDGE DETAIL

- ▶ 304 Stainless Steel Mesh
- ▶ Geomatrix edge

### OPTIONS

#### NM75

**75 kg total buoyancy per m<sup>2</sup>**

- Natural Matrix planting substrate
- 125mm frame with 3 × 160mm support floats
- Larger islands — load distributed over multiple rows of modules

#### NM85

**85 kg total buoyancy per m<sup>2</sup>**

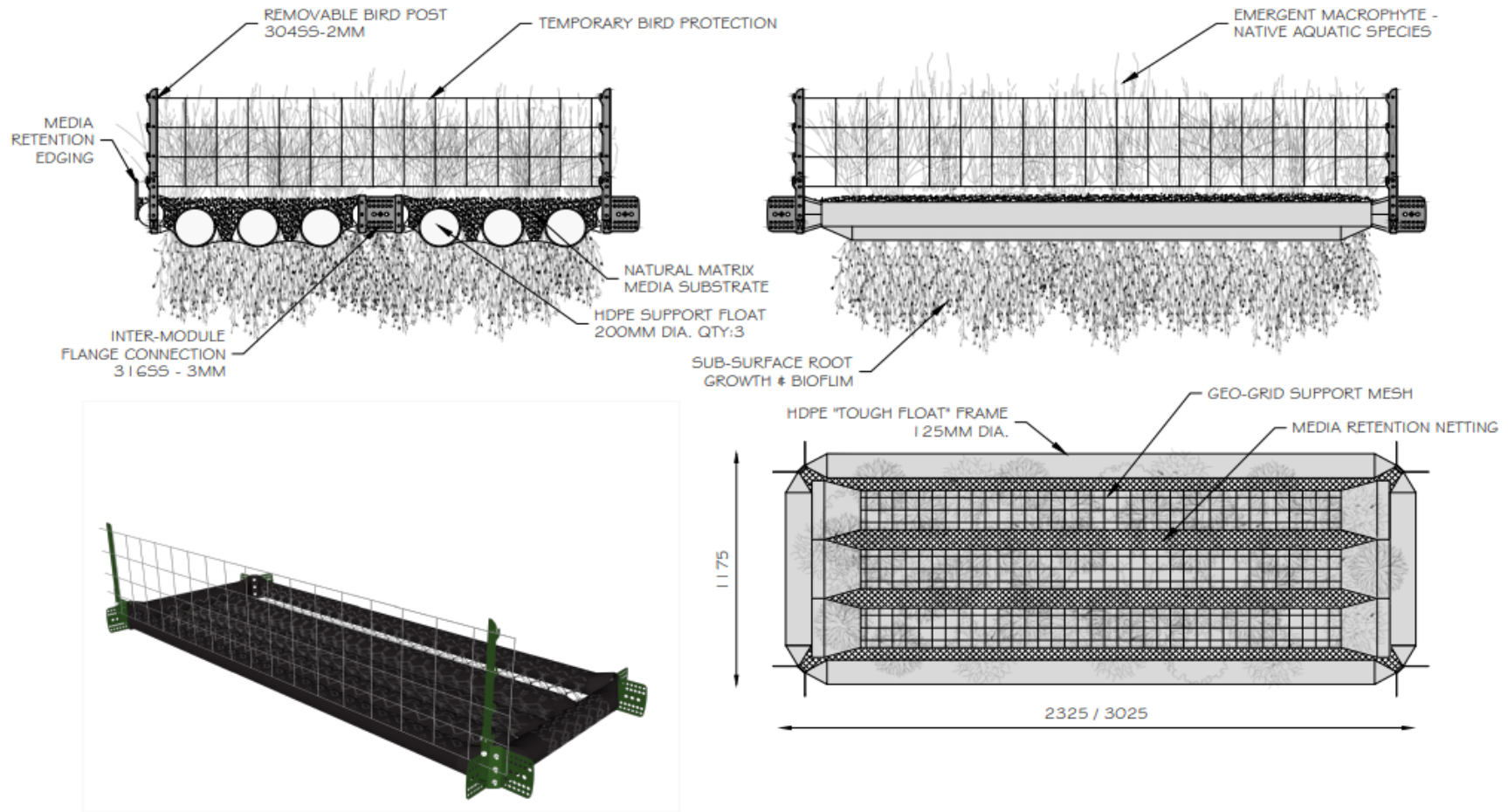
- Natural Matrix planting substrate
- 125mm frame with 2 × 160mm + 1 × 200mm support floats
- Various shapes achievable, including narrower edge sections

#### NM100

**100 kg total buoyancy per m<sup>2</sup>**

- Natural Matrix planting substrate
- 125mm frame with 3 × 200mm support floats
- Various shapes achievable, including narrower edge sections
- Shrub planting baskets supported
- Brackish conditions can be accommodated

# Natural Matrix Media NM75, NM85 & NM100



**BIOMATRIX WATER**

|  |                          |                                    |                            |
|--|--------------------------|------------------------------------|----------------------------|
| <b>DRAWING.</b><br>NATURAL-MATRIX 100  | <b>DRAWN BY</b><br>NS    | <b>SCALE</b><br>NTS                | <b>DATE</b><br>17 FEB 2026 |
| <b>DRAWING NO./REV</b><br>NM100 - V1.1 | <b>APPROVED BY</b><br>GF | <b>TYPE</b><br>GENERAL ARRANGEMENT |                            |

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EDGE DETAIL – Natural Media & 304 Stainless Steel Mesh



EDGE DETAIL – Natural Media & Geomatrix Edge



EDGE DETAIL – Natural Media & Acoya Edge

