

## SPECIFICATIONS FOR RIZOMA SYSTEM REQUIREMENTS FOR EXECUTION PER WORK UNIT

### WORK UNIT: VEGETATED ROOF WITH INERT SUBSTRATE AND CHOICE OF VEGETATION FINISH, RIZOMA SYSTEM .

#### 1. TECHNICAL SPECIFICATIONS

Non-walkable vegetal cover with SG-L inert substrate and choice of vegetal finish, Rizome system, slope from 1% to 100%. SEPARATION LAYER: SG-GT2 of 200gr/m<sup>2</sup>.

INERT SUBSTRATE SG-L25 or SG-L40: SG-L25 inert substrate for vegetal covers of 25mm or SG-L40 of 40mm thickness, depending on the vegetal finish.

IRRIGATION SYSTEM SG-R16: formed by self-compensating irrigation pipe with drippers, including proportional part of elbows, unions and distribution pipe.

IRRIGATION CENTRALIZATION SG-A24R: Installation, programming and set-up of irrigation system with automatic fertilizer dosing, and GALCON GSI irrigation telecontrol and telemangement system, with flow and electrical alerts by email.

VEGETAL FINISH: Depending on the desired finish, by planting 25 plants/m<sup>2</sup> or by using pre-grown grass of species selected by a SingularGreen technician.

#### 2. APPLICABLE REGULATIONS \*

- CTE. DB HS Health.
- CTE. DB SI Fire Safety.
- NTE-QAA. Roofs: Green roofs.
- NTJ 11C Green roofs.

\*This regulation is mandatory in Spain. If the work is to be carried out in another country, please consult the specific regulations of that country.

#### 3. MEASUREMENT CRITERIA IN PROJECT

It will also be checked that the vertical walls of the cofferdams, perimeter walls, and other construction elements are finished.

#### 4. PREVIOUS CONDITIONS TO BE FULFILLED BEFORE EXECUTION OF SUPPORT WORK UNITS

#### 4.1 OF THE SUPPORT

It will be verified that the surface of the resistant base is uniform and flat, clean, and free of construction remains.

It will also be checked that the vertical walls of the cofferdams, perimeter walls, and other construction elements are finished.

#### 4.2 ENVIRONMENTAL

Works will be suspended in case of rain, snow or wind speed exceeding 50 km/h, and the application should be carried out under ambient thermal conditions within the prescribed margins in the corresponding application specifications.

#### 4.3 CONTRACTOR'S RESPONSIBILITIES

The adopted construction solution will have received prior acceptance from the manufacturer.

### 5. PROCESS OF EXECUTION

5.1 Measures to ensure compatibility between different products, elements, and construction systems that make up the roof and are independent of the unit of work will be taken into consideration.

Special attention will be paid to the incompatibilities of use specified in the technical data sheets of the different elements that may compose the other components of the roof and that are not part of this unit of work (resistant support, slope formation, vapor barrier, thermal insulation, waterproofing, and separation layers).

#### 5.2 EXECUTION PHASES

- Layout of singular points.
- Cleaning and preparation of the surface.
- Placement of waterproofing.
- Placement of the separation layer under protection.
- Placement of inert substrate.
- Filling the space between the edge of the roof and vegetation with pebbles.
- Vegetal finishing: Planting or turf.
- Irrigation system installation.

- General checking.

### 5.3 FINISHING CONDITIONS

The watertight conditions will be basic.

## 6. MEASUREMENT CRITERIA AND PAYMENT CONDITIONS ON-SITE

The surface area actually executed according to the Project specifications will be measured in horizontal projection.

This must include the interior faces of the parapets or perimeter walls that limit said surface.

The price does not include waterproofing.

## 7. CONSERVATION AND MAINTENANCE

- The roof will be protected from any mechanical action not foreseen in the calculation until the substrate is placed.
- The placement of any element not foreseen in the project that may perforate the waterproofing will be avoided.
- The dumping of construction waste on the vegetative layer will be avoided.