

GUIDE SPECIFICATION

Hydraulic Press Brick Company (HPB-Haydite) Extensive Green Roof Planting Media

HPB Haydite Extensive Green Roof Growing Media - NURSERY BLEND

1.0 ACCEPTABLE MANUFACTURERS AND SUPPLIERS

Hydraulic Press Brick Company (HPB-Haydite)
PO Box 130
Brooklyn, IN 46111
(317) 831-0710
(888) 593-0391

Or approved equal

2.0 HPB-Haydite premixed Extensive Green Roof Media should contain the components below:

80% HPB Haydite 1/4" x 0 blend (Size BX)
20% Approved Compost

3.0 MATERIALS

3.1 HPB-Haydite Expanded Shale 1/4" x 0 Fines Blend

3.1.1 ASTM C29 Bulk Density (Unit Weight) 40 lb/cu ft to 60 lb/cu ft

3.1.2 ASTM C127 Relative Density (specific gravity) between 1.10 and 1.55 OD (Oven Dry)

3.1.3 ASTM C127 Absorption between 5% and 20%

3.1.4 ASTM C331: No. 4 x 0.

| Sieve Size | % Passing |
|------------|-----------|
| No. 4 | 65 – 90 |
| No. 8 | 35 - 65 |
| No. 100 | 5 – 15 |

3.1.5 The expanded shale must contain no clay lumps or any organic impurities.

3.2 Compost

Provide compost meeting the HPB-Haydite Compost Guide Specification (or detail an alternative specification here.)

4.0 Mixes (proportioned by volume)

4.1 HPB-Haydite Extensive Green Roof Media

| | |
|----------------------------------|-----|
| HPB-Haydite 1/4" x 0 Fines Blend | 80% |
| Approved Compost | 20% |

4.2 Alternate Media for Irrigated Extensive Green Roof Assembly for Sedums

| | |
|---------------------------------------|-----|
| HPB-Haydite 3/8" x #8 Expanded Shale* | 80% |
| Approved Compost | 20% |

*See HPB-Haydite Intensive Green Roof Planting Media document for specification

5.0 Implementation

5.1 Mixing Procedure

Media Blending

| | |
|----------------------------------|-----|
| HPB-Haydite 1/4" x 0 Fines Blend | 80% |
| Approved Compost | 20% |

5.1.1 Lightly moisten the Expanded Shale blend with water to ensure proper blending distribution.

5.1.2 Mechanically mix 1 part compost with 4 parts of the HPB-Haydite until a uniform distribution of the components is achieved.

5.1.3 When stockpiling the finished mix, cover the pile with a plastic tarp to prevent drying out or soil separation from rain.

5.2 Media Mix Placement

Placement

5.2.1 Place HPB-Haydite Green Roof Media with approved equipment and protect all other materials from damage during installation.

5.2.2 Pre-settlement: Preset the media by thoroughly watering the entire planting area.

5.2.3 Fill settled low areas with the media and repeat the compaction and filling process until settlement ceases.

5.3 Protection of Soil Mixes

Contamination and Compaction

5.3.1 Do not deliver or place soils in frozen, wet, or muddy conditions. Material should be at or near optimum compaction moisture content as determined by ASTM D 698. Do not place materials in an excessively moist condition.

5.3.2 When stockpiled, protect soils media from absorbing excess water and from erosion at all times. Do not store materials unprotected from large rainfall events. Do not allow excess water to enter site prior to compaction. If water is introduced into the material after stockpiling, allow material to drain or aerate to optimum compaction moisture content.

5.3.3 In handling materials, operating tools and equipment, protect the media from compaction by laying down planking or plywood as required for protection.

5.3.4 Pressure wash equipment prior to handling media to prevent weed seed contamination.

6.0 Drainage Ballast or Lightweight Fill

HPB-HAYDITE C Size lightweight aggregate 1/2" x No. 4, 45 lbs per Cubic Foot max weight, Absorption 7 - 20%