

Short Form Classification Report No. 20873E

PRODUCT

M-Tray® modular green roof system

SPONSOR

WALLBARN LTD.

PRODUCT DETAILS

| Plants | Lichtweight growing media | Tray carrier |
|---|---|---|
| Sedum spp. and wildflowers (optional) 20 – 30 mm | Mixture of compost, coir, lytag and expanded clay. 70 - 80 mm | Injection moulded re-granulated PP tray, made from PCR 2 mm thick, 100 mm high |
| At 85 RH%: 15000 g/m ² (Sedum spp.) and 13000 g/m ² (Wildflowers) | 80000 g/m ² | 4400 g |
| 90 % Sedum spp. and 10 % wildflowers (if wildflowers are present) | 6,6 w% compost, 4 w% coir, 50 w% lytag and 39 - 40 w% expanded clay | N/A |
| Seeds are sown in the growing medium and nurtured until fully grown | Loose laid in tray carrier | Loose laid on substrate |

FIELD OF APPLICATION

- Range of pitches: ≤ 10°
- Range of substrates: Non-combustible board (Euroclass A2) (12 mm or more, 1280 kg/m³)
- Full extended field of application: see Annex A

CLASSIFICATION

Broof(T4)

STANDARDS

Test standard: CEN/TS 1187:2012

Classification standard: EN 13501-5:2016

SIGNED

APPROVED

For and on behalf of WFRGENT nv

This short form classification report has been drafted according to EGOLF agreement EGA 039:2021 "Application note: clause 7.8 [7.8/1] – Types of reports". Whilst the test data and classification provided within this short form report was obtained in a test conducted fully in accordance with the standards CEN/TS 1187:2012 & EN 13501-5:2016, the presentation of the results in this short form report may not satisfy the requirements of those standards and EN ISO/IEC 17025:2017. The presentation of the results in this manner is made by agreement with the sponsor and use of the information herein for product assessment, approval or certification purposes will be restricted.

The full classification report No. **20873D** is available at **WALLBARN LTD.**.

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Annex A: Extended field of application

➤ Range of layer 0: Plants

| | |
|---|--|
| Range of species: | Sedum spp. and wildflowers (optional) |
| Relative amount of plants | |
| <i>Sedum spp.</i> | 100 % Sedum spp. |
| <i>Sedum spp. + wildflowers</i> | 90 % Sedum spp. + 10 % wildflowers |
| Length of the plants: | |
| <i>Sedum spp.</i> | 20 – 30 mm |
| <i>Wildflowers (optional)</i> | 20 – 30 mm |
| Surface weight sedum spp. (mature plants, not seeds): | |
| <i>Humid (85 RH%)</i> | 15000 g/m ² |
| Surface weight wildflowers (mature plants, not seeds) (optional): | |
| <i>Humid (85 (%RH?))</i> | 13000 g/m ² |
| Organic content: | 100 % |
| Fixing method: | Seeds are sown in the growing medium and nurtured until fully grown. |

➤ Range of layer 1: The lightweight growing media

| | |
|----------------------|---|
| Compounds: | Compost, coir, lytag and expanded clay |
| Weight percentage: | |
| <i>Compost</i> | 6,6 w% |
| <i>Coir</i> | 4 w% |
| <i>Lytag</i> | 50 w% |
| <i>Expanded Clay</i> | 39 - 40 w% |
| Thickness: | 70 - 80 mm |
| Surface mass: | 80000 g/m ² (based on the moist on the bottom of this layer) |
| Fixing method: | Loose laid in tray carrier |

➤ Range of layer 2: Tray carrier

| | |
|----------------|--|
| Material: | A re-granulated PP tray carrier, made from post-consumer PP (PCR). |
| Thickness: | 2 mm |
| Height: | 100 mm |
| Fixing method: | Loose laid |

➤ Range of layer 3: Substrate: Non-combustible board (Euroclass A2)

| | |
|------------|--------------------------------|
| Thickness: | 12 mm or more |
| Density: | 1280 kg/m ³ or more |