

# SOPRANATURE TOUNDRA BOX

TECHNICAL DATA SHEET 210721SCANE

(supersedes 210129SCANE)



VEGETATIVE SOLUTION

APPLICATIONS

ROOFS

PLAZA-DECKS

## DESCRIPTION

SOPRANATURE's TOUNDRA BOX is a patented pre-vegetated system. It is composed of a box made of 100% recycled polypropylene and recyclable removable side boards, containing a filter cloth and a growing medium in which a mix of sedum species is cultivated. The mix of sedums can be adapted according to the hardness zone and climatic conditions.

The TOUNDRA BOX system can be installed on SOPRANATURE green roofs, garden terraces, and plaza decks.

## INSTALLATION

The TOUNDRA BOX boxes are installed with their side boards (removable upper part). The side boards must be removed up to the second-to-last installed row only, as the last row supports the substrate. The side boards can be recycled.

The installation of the TOUNDRA BOX system must be immediately followed by saturation watering.

FOR FURTHER DETAILS ON PRODUCT INSTALLATION AS WELL AS RECOMMENDATIONS ON RUSTICITY ZONES AND CLIMATE ZONES, PLEASE CONSULT A SOPREMA REPRESENTATIVE.

## PACKAGING

| Specifications                         | TOUNDRA BOX                         |
|--|-------------------------------------|
| Box material                           | 100%-recycled polypropylene         |
| Filter cloth material                  | Non-woven polypropylene             |
| Box dimensions                         | 300 mm × 600 mm (11.8 in × 23.6 in) |
| Total height                           | Upon delivery                       |
|  | 195 mm (7.7 in)                     |
|  | After removing the side boards      |
|  | 100 mm (3.9 in)                     |
| Coverage of vegetation at installation | ≥ 90%                               |

(All values are nominal)

## PROPERTIES

| Properties               | Standards   | TOUNDRA BOX   |
|--------------------------|-------------|---|
| Density                  | ASTM E2399  | 106.0 to 124.2 kg/m <sup>2</sup> (21.7 to 25.5 lb/ft <sup>2</sup> ) |
| Water retention capacity | ASTM E2397  | 45.6 L/m <sup>2</sup> (1.1 Gallon/ft <sup>2</sup> )                 |
| Wind flow resistance     | CSA A123.24 | 200 [133] Km/h (124 [83] mph)*                                      |

\*Values between brackets include safety factor.  
(All values are nominal)

## STORAGE AND HANDLING

The storage time of a pallet of stacked TOUNDRA BOX boxes should not exceed 48 hours. In the case of long-term storage, contact our SOPRANATURE Department to determine the precautions to consider. Store the TOUNDRA BOX out of direct sunlight in a ventilated place.



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NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS-TOUNDRA-BOX-Soprema-en.indd