Date: 28/03/2018
Subject: PaperFoam sustainability properties and certifications

This is a brief summary of PaperFoam’s key features regarding sustainability. For further detailed information and/or a summary of all PaperFoam certifications, contact your account manager at PaperFoam or contact us at info@paperfoam.com.

Overview

- Biobased, biodegradable and compostable
- Paper-recyclable
- Safe, non-toxic, non-polluting
- Very low carbon footprint, up to 85% lower than comparable packaging
- Locally sourced, yearly renewable raw materials
- Low energy usage in production process
- Significantly lower water usage compared to molded fiber
- Lightweight material, saves on transportation costs

Certifications

PaperFoam holds the following sustainability related certifications:

- **Biobased**
  - USDA Certified Biobased Product
  - Vincotte OK Biobased (rank 4): Measurement of BCC (Biobased Carbon Content), rank 4 is the highest available certificate: BCC > 80%

- **Biodegradability/compostability**
  - EN13432
  - ASTM D6868
  - Vincotte OK Compost
  - Vincotte OK Home Compost

- **Paper recyclability**
  - UL Validated: 99% recovery rate of available fibers.

Industrial composting example

![Image showing composting stages](image)
**Global Warming Potential**

The total GWP100 is 0.14 kg CO2-eq per kg of PaperFoam. Compared to other packaging materials this is a low figure.

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**GWP100 for comparable processes and materials**

(Source: Idemat 2015)

![Graph showing GWP100 for various materials]