

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
 - Vinçotte OK Biobased (rank 4):
Measurement of BCC (Biobased Carbon Content), rank 4 is the highest available certificate: BCC > 80%
- **Biodegradability/compostability**
 - EN13432
 - ASTM D6868
 - Vinçotte OK Compost
 - Vinçotte OK Home Compost
- **Paper recyclability**
 - UL Validated: 99% recovery rate of available fibers.

Industrial composting example



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.

GWP100 for comparable processes and materials
(Source: Idemat 2015)

