



For more information
or orders contact:

Nicki Becker
082 785 4573
nicki@paperfoam.co.za

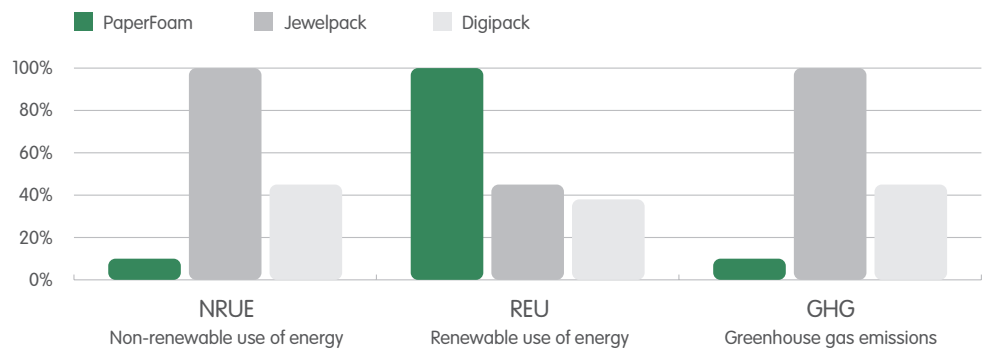
www.paperfoam.co.za

PaperFoam® is an environmentally friendly packaging material derived from renewable resources. It can be recycled as paper or composted to biodegrade. PaperFoam® is produced from starch, cellulose and water.

LCA, RUU/Copernicus Institute

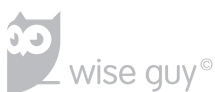
The Utrecht University/Copernicus Institute executed a shortcut-LCA (Life cycle assessment) study to analyse the NREU (non-renewable use of energy), REU (renewable use of energy) and GHG (greenhouse gas) emissions of a PaperFoam® CD-case. The comparative environmental assessment studies also the Jewelpack and the Digipack. In all cases the study is from cradle-to-factory gate and the Ecoinvent database is used.

NREU, REU, GHG emissions	PaperFoam	Jewelpack	Digipack
Design & Materials	PaperFoam CD-tray and cardboard	Polystyrene	Polystyrene and cardboard
NREU	0.83 MJ / CD-case	7.67 MJ / CD-case	3.32 MJ / CD-case
REU	0.36 MJ / CD-case	0.16 MJ / CD-case	0.14 MJ / CD-case
GHG emissions	0.03 kg CO2-eq / CD-case	0.27 kg CO2-eq / CD-case	0.12 kg CO2-eq / CD-case



Conclusions RUU/Copernicus Institute: “The comparative environmental assessment shows that PaperFoam® is by far the preferred choice in terms of NREU and GHG emissions. The NREU of the PaperFoam® case is about 1/10 compared to the Jewelpack and about 1/3 compared to the Digipack. The GHG emissions of the PaperFoam® case are about 85-90% lower compared to the Jewelpack and 55-75% lower than for the Digipack.”

Recycling PaperFoam®	
Compostability	Fully compostable according to DIN V 54900 and CEN EN 13432 PaperFoam material is DIN Certco Certified under Registration No.: 7W0029
Recycling	PaperFoam can be recycled with paper according to Duales System Deutschland (DSD)



PaperFoam is imported and distributed in South Africa by Wise Guy.

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