

Beyond plastics Barrier Coated Papers for Industrial Powders

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Introduction

- Valdemar Forsblom – Business Development Director
 - Based in Sweden, Skärblacka Mill
 - Married and two sons 2 yo and 3,5 yo
- Msc Industrial Engineering and Management
- 10 years industry experience in Billerud
 - Paper Production
 - Technical Service
 - Business Development



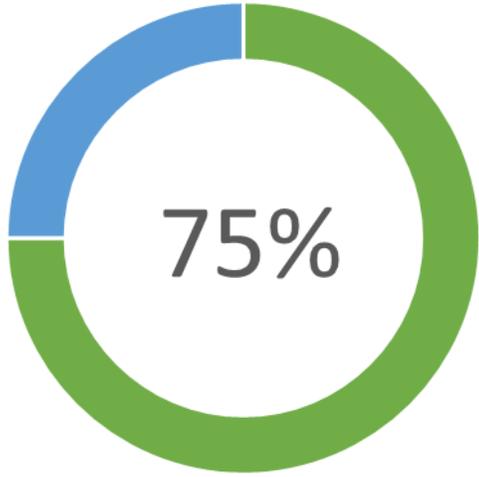
Packaging trends within FMCG



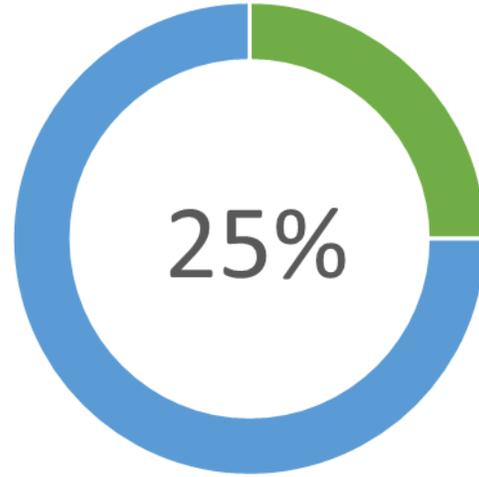
PAPER
PACKAGING



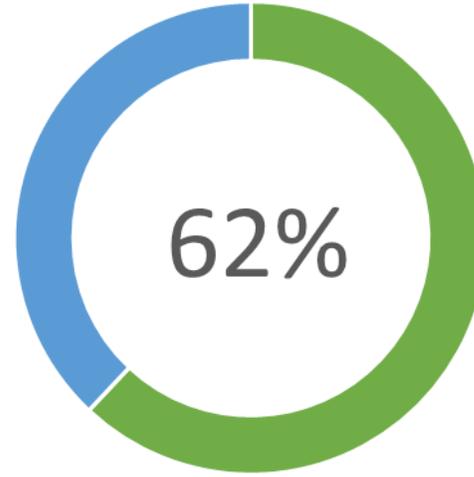
Consumer Preferences



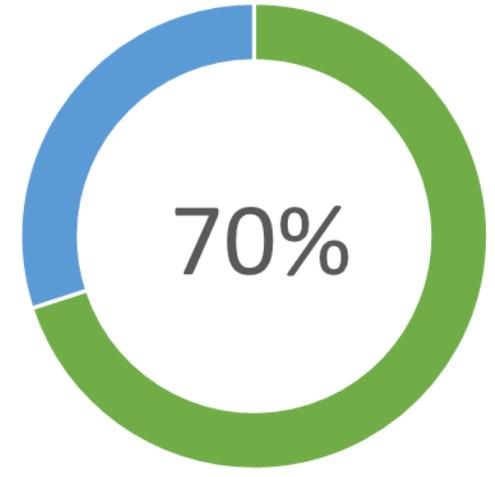
Enviromentally aware



Packaging is key purchasing criteria



Prefers paper over plastics



Consumers reducing plastic consumption



Paper vs Plastic Sacks

- Consumers appreciate paper
- Paper production growing
- Consumers perceive paper as more sustainable

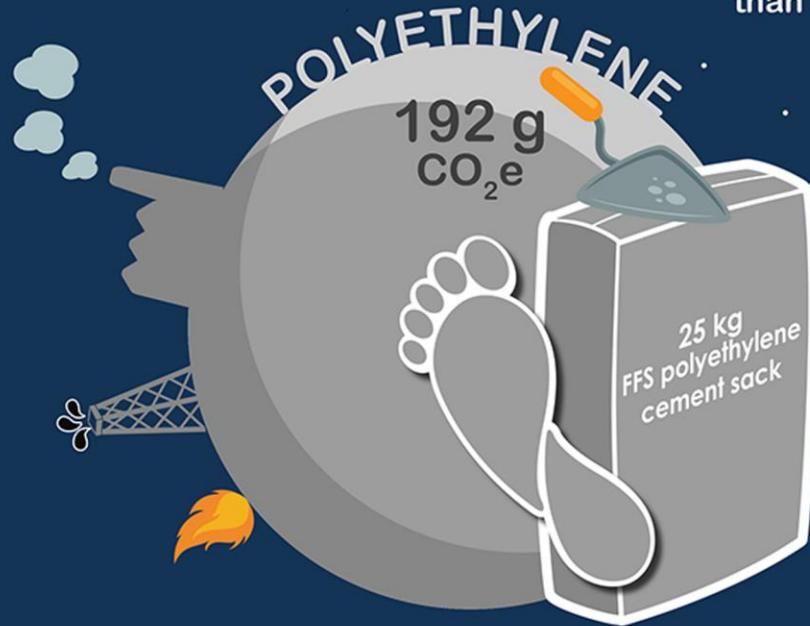
PAPER SACKS – YOUR BETTER CHOICE FOR THE CLIMATE



The results presented are based on a study conducted by the Swedish research institute RISE on behalf of:
www.eurosac.org / www.cepi-eurokraft.org

CEPIEUROKRAFT
European Producers of Sack Kraft Paper and Kraft Paper

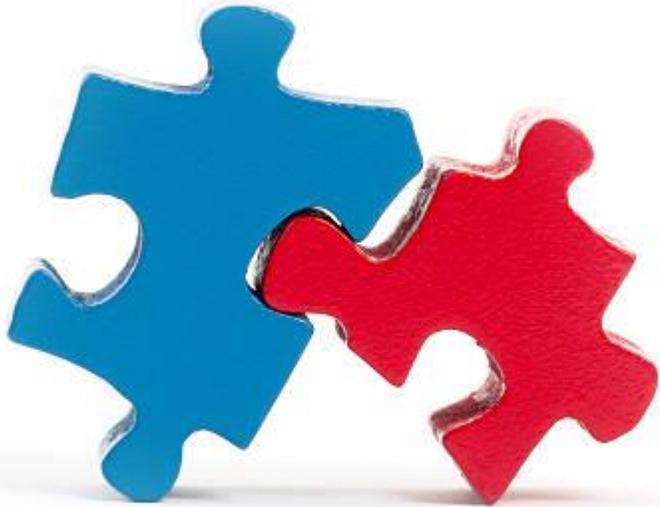
The carbon footprint
of paper sacks is
2.5 times smaller
than that of FFS PE sacks.



versus



Fit for purpose



Moisture barrier = Plastics

Moisture barrier = Plastics ?




BILLERUD




ERUD

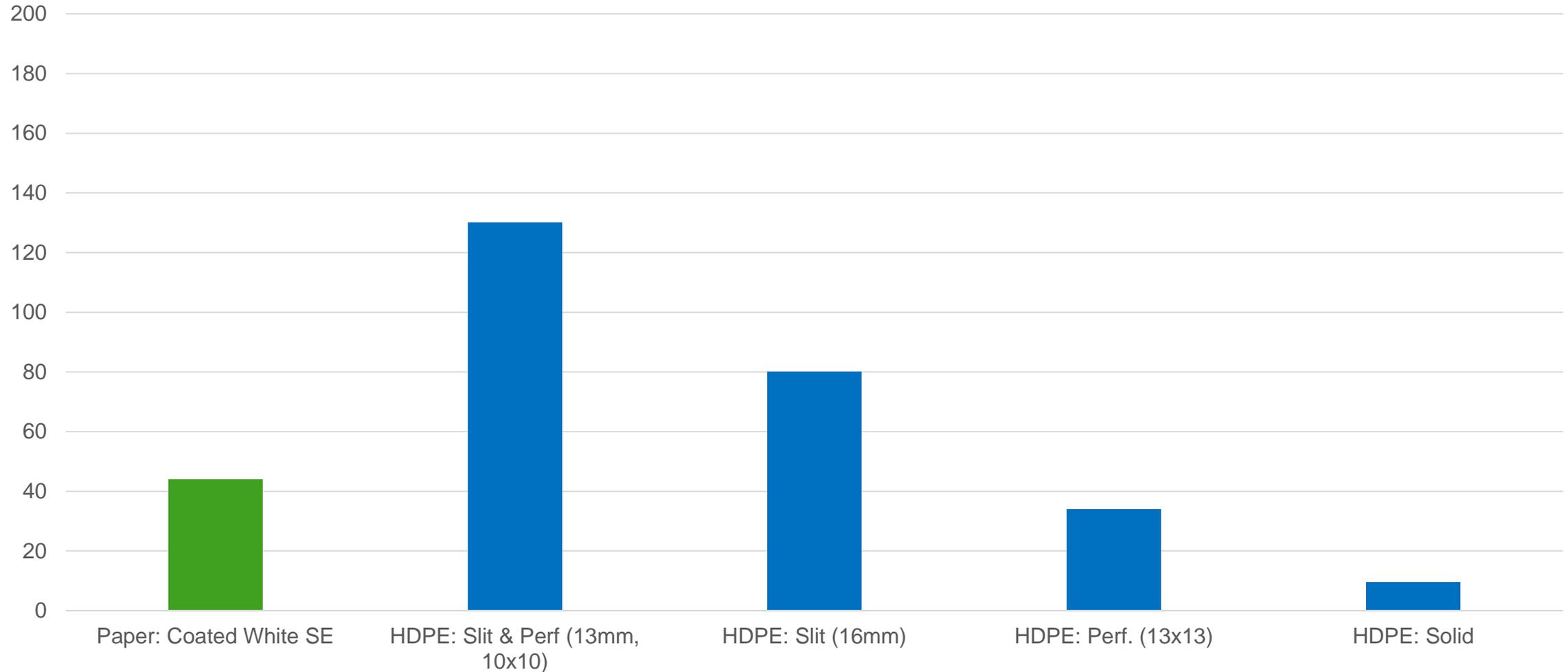

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Barrier Sack



Water Vapour Barrier

WVTR (gH₂O/m².24hr)



Temperature: (23 degrees Celcius and 50% rel. humidity)

Examples of approved shelf-life performance

- Mortars, >6 months and >12months
 - Europe (various)
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- Tile adhesive, >6months and >12month
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 - Thailand
 - Malaysia
- Starch , Gypsum, >6months
 - Europe (various)
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 - Malaysia



Easy implementation in existing supply chain

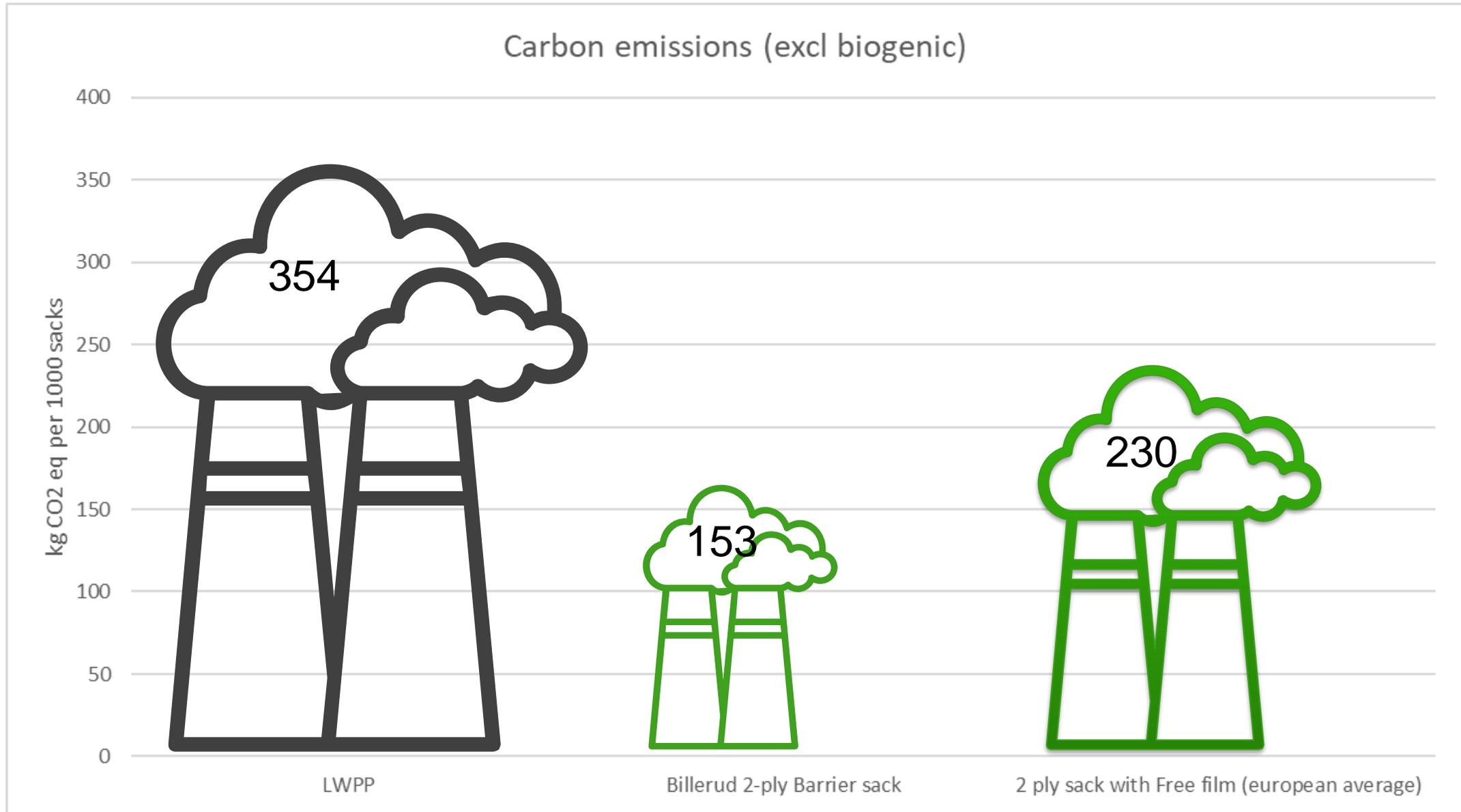
- Sacks can be converted on modern W&H sack lines
 - Good productivity
 - No changes in production equipment
- Similar filling performance as good two ply high porous sacks with film



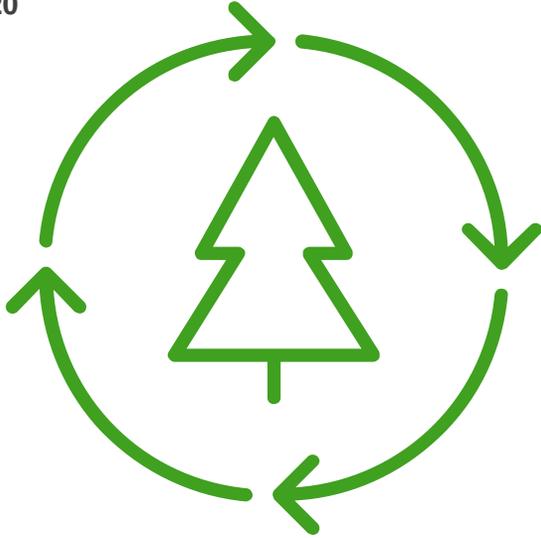
Added benefits

- Coating on outside
 - Enhanced printing surface for better branding
 - Cleaner looking sacks
- Coating on inside
 - Unchanged appearance
 - Maintained friction
- Top deaeration concept with non-perforated inner ply
 - No dusting





*Calculated footprint based on RISE D-sack LCA from 2016 and average LWPP figures using Spira Tool



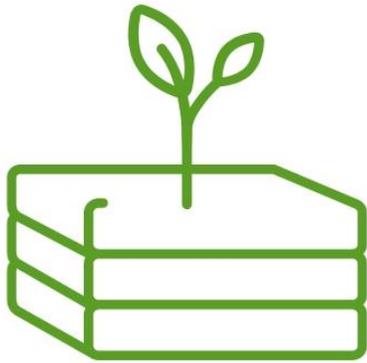
Environmental Benefits

Binder	9 μ HDPE	Reduction
g/m ²	g/m ²	%
3,5	8,6	59,3

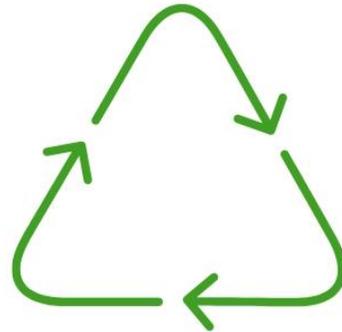
- No plastic film
- Fossil material reduced by 60%
- Recyclable (certified – PTS-RH 021-2012)



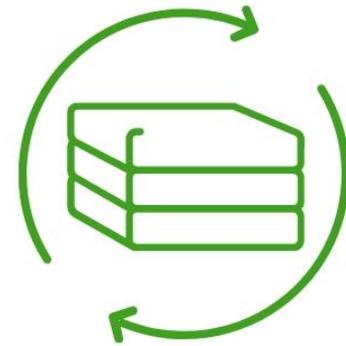
Sack paper for easy recycling in regular paper streams



No plastic film



Easy to recycle



Simple to switch

