

RELEASE LINER RECYCLING POSSIBILITIES

The following recycling solutions and concepts are currently available to the self-adhesive label industry and its customers. Please note that this list is not exhaustive and will be expanded over time as more solutions are brought to FINAT's attention. Additionally, various manufacturers of self-adhesive materials have recycling schemes available to their own customers or to the entire industry. For more information on existing and new solutions, please visit the FINAT recycling portal at www.finat.com/en/sustainability/recycling_portal.aspx

AVERY DENNISON

Avery Dennison has a PET release liner scheme in place for Europe with Morssinkhof Rymoplast and P.C.S. Plastic Compound Solutions. It is open to all converters and brand owners. The spent PET liners will be re-granulated as rPET.

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CHANNELED RESOURCES

Channeled Resources facilitates solutions for both paper and film spent liner throughout Europe in two ways:

- Cost neutral for less than truckload volumes
 - Revenue for generators that meet packaging & logistic requirements
- Spent paper liner is either shipped to a variety of paper mills in and outside Europe or consumed in 'repurpose' applications. Spent film liner is either reground and extruded for a variety of applications or repurposed.

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CYCLE4GREEN LTD. (C4G)

Cycle4green Ltd. offers a recycling solution for release paper liners. Collection services are available directly to label converting companies, label end-users or through selected partners in waste management business. C4G recycling operates throughout Europe. Liner waste paper is recycled by Lenzing Papier GmbH (Austria) and turned into 100% recycled paper products including label and release papers. Concept offers closed-loop recycling from waste to recycled papers in Europe.

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MUNKSJÖ / AHLSTROM

Paper Liner recycling initiative open to any label end-user, regardless of the origin of release paper or label-stock laminate. Paper release liners are collected from label end-users by Munksjö logistic partner, they are taken to Ahlstrom Osnabrück plant in North West Germany and they are recycled into the production of double-layer specialty papers. The program will operate in: Germany, Belgium, Netherlands, Luxemburg. In this area, paper release liner can be collected at no cost for label end-users provided a minimum of 2 tons / load and respect of sorting cleanliness conditions

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Made by Munksjö™

RAF-CYCLE®

RafCycle® is UPM Raflatac's open recycling concept for self-adhesive labelstock by-products. RafCycle offers sustainable and cost-efficient recycling solutions for all stages of the self-adhesive labelstock lifecycle – also for both paper-based and PP liners.

- Paper-based release liners can be recycled through the RafCycle concept back into paper products. When the location and volume allow, collection is arranged free of charge.
- PP liner can be recycled through the RafCycle concept into wood-plastic composite products. For a current offer for used PP liner, please consult the website.

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RECU LINER

RecuLiner is specialized in the development of sustainable methods for the recycling of waste release paper liner material. The RecuLiner collection system is currently operational in Benelux and adjacent areas and will gradually be expanded throughout Europe. The waste liner material is converted mainly into cellulose fibre insulation material via a network of licensed manufacturers. The patented RecuLiner technology allows the waste release paper material to be valorized in the most sustainable way.

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Release liners deserve a second chance