



YANGRIM Co., Ltd

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: We are developing technologies that consider people and environment



Human



Environment



Technology
Development



Company Name: YANRIM Co., Ltd **CEO:** PARK WAN SOON



Establishment Date: 1999.03.22



Address: 772, Madeul-ro, Dobong-Gu, Seoul, Republic of Korea





Eco-friendliness is one of the alternatives that have emerged to solve the environmental issue as serious problems arise. In order to solve the pollution problem that mainly affects the natural environment, it is possible to prevent the pollution problem, the waste problem, and the resulting damage to animals and plants by adding the element of eco-friendliness to the existing industrial method and lifestyle. Eco-friendly products, such as products that are completely decomposed into water and carbon dioxide within a relatively short time in the natural world, or products that are harmless to the human body and recyclable by using natural materials, have reduced usage compared to existing products, are called eco-friendly products. It is urgently required to develop eco-friendly products based on various technologies.

Recycle & Reuse

Reduce

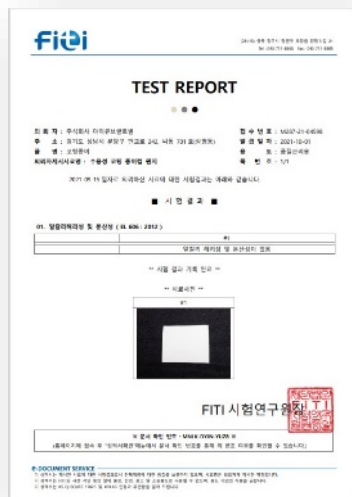
Replacement



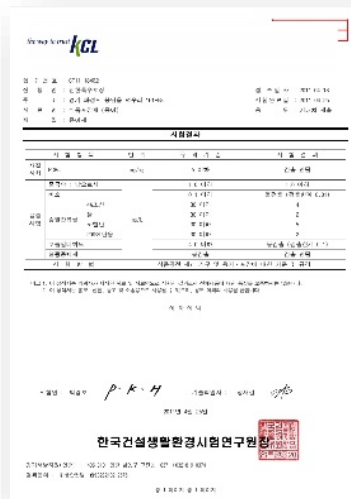
02 1. YANGRIM's eco-friendly water-soluble coating agent

- The developed product is a coating agent dispersed in water, and through the process of coating and drying the paper in a liquid state, harmful gas or fine dust is not generated, and microplastics are not also generated at all by coating at room temperature. In addition, it has the advantage that it can be reused as 100% high-quality pulp as it is without changing facilities at the existing paper mill when recycling. By coating only about 35-40% of the amount of LDPE or PP used, it can reduce the amount of waste by itself by reducing the amount of waste by 60-60% only as a total amount system.

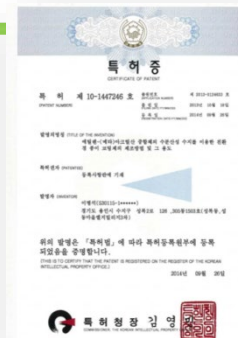
- Test completion and preparation for certification to obtain eco-friendly mark and paper certification



- dissociation test -



- Hazardous substance non-detection test-



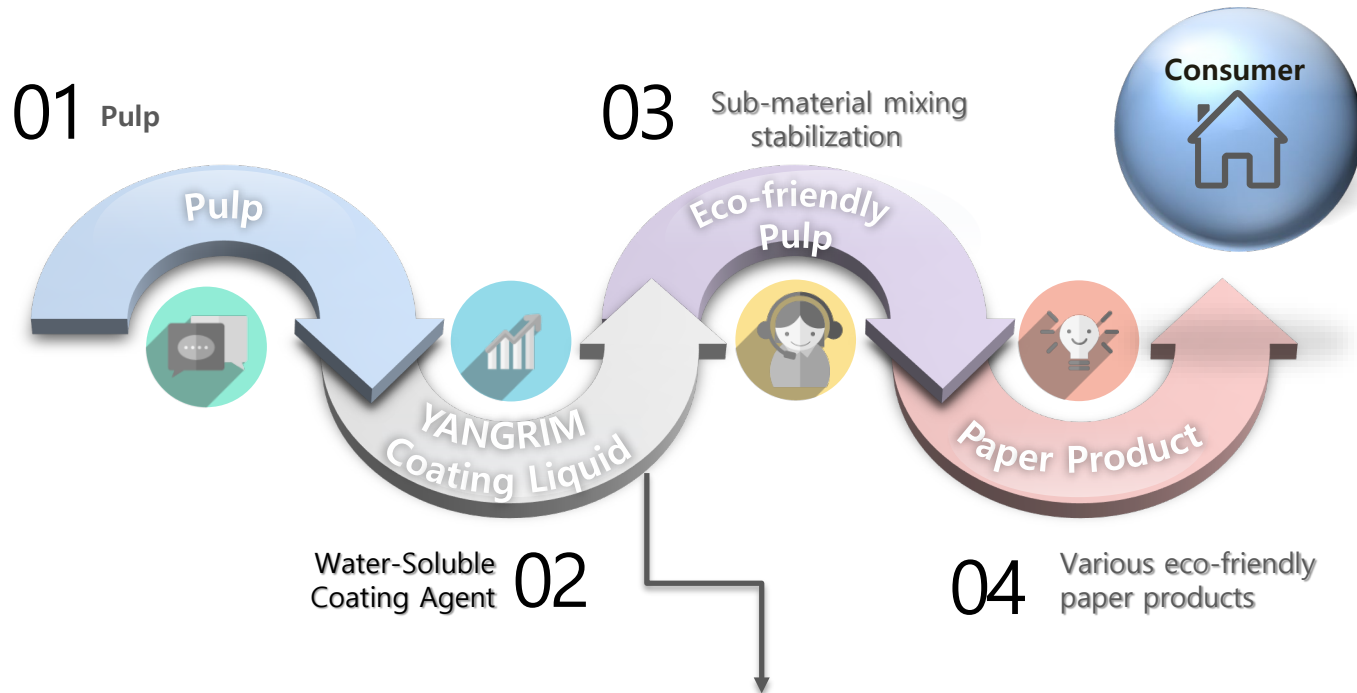
- technology patent -

The present invention is registered in the Patent Registration Register as of September 26, 2014 as Patent No. 10-1447246. The patent name is a method for manufacturing an eco-friendly paper coating agent using a water-dispersible resin of ethylene-(meth)acrylic acid polymer and its use

- Water-soluble → 75% of the material is water
- Non-hazardous → All raw materials are FDA Approved for food, no environmental hormones
- Re-pulping → Reducing to pulp only by inputting the paper production process
- Various applicability → Applicable to various paper products such as paper cups and containers in addition to paper tape
- Easy production → Most of the existing production facilities can be used as it is, and the production speed is increased by 15%
- Versatility → Can be used for both cold and hot drinks
- Biodegradation → Rapidly decomposes in its natural state

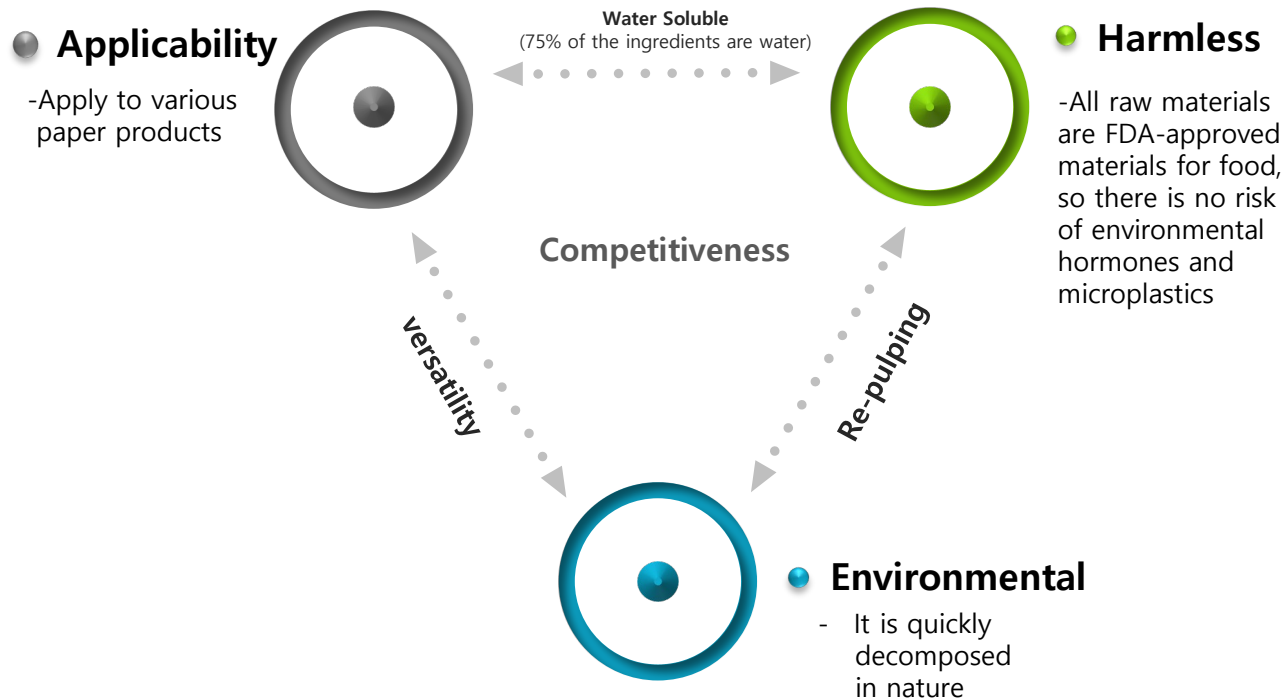


	PE	PLA	아이큐브
• 유해성	유해	무해	무해
• 재활용	매우 어려움	어려움	쉬움
• 자연분해	불가능	어려움	쉬움
• 탄소배출	높음	높음	낮음
• 오염물질배출	높음	낮음	없음
• 자원낭비	높음	높음	낮음



INGREDIENT(FDA Approved Substances)	CAS-No.	PROPORTION [%]
Copolymer of ethylene and methacrylic acid	-	23 ± 1
Water	7732-18-5	73 ± 2
N,N-Dimethylethanolamine	108-01-0	2 ± 1
Silicon dioxide	7631-86-9	1 ± 0.3
Etc.	-	< 0.4

Consisting of 25% solids and 75% water, the hot air drying process evaporates the water leaving only the water-soluble Copolymer and antifoam. (FDA approved substances for Food)



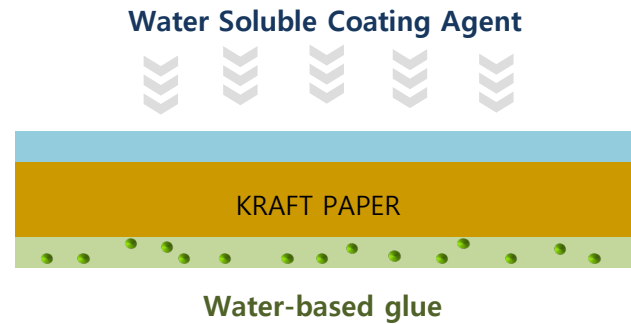
- Perfect replacement for existing PE coated paper products
- YANGRIM's eco-friendly pulp, which uses an aqueous coating solution composed of FDA-approved materials, is expected to replace all existing paper

02 5. YANGRIM Paper Tape



OPP tape, which is currently mostly used in Korea, cannot be recycled when it is thrown out together with the box, so it must be separated and discharged as garbage. In contrast, YANGRIM's paper tape that is made from water-based adhesive and pulp coated by YANGRIM's water-soluble coating agent can be discharged without removing it from the box.

GREEN EARTH : YANGRIM's eco-friendly brand



100% recyclable rugged paper tape that is made from water-soluble coated paper and water-based adhesive.



GREEN EARTH
ECO FRIENDLY TAPE


Manufacturer
YANGRIM Co., Ltd
Tel. +82-2-956-6701
Web. www.yangrim.co.kr

No separate discharge
Self-dissolved Tape naturally
without removing by hands

03 GREEN EARTH Paper Tape Competitiveness



100% Recycling with domestic certificate

100% recycled tape with international eco-friendly certification, not a green washing product

It is not a green washing product pretending to be eco-friendly, but a 100% recyclable tape that has received an eco-friendly certificate of international standards and is classified as a paper type.

The world first thin paper tape

World-Class technology based on patents

Eco-friendly coating technology with excellent expandability beyond tape

Robustness and competitive price

Performance comparable to conventional OPP tapes without being counterproductive or inefficient

Unique and eco-friendly tape that is not expensive, thick, inconvenient and inefficient.



04 Comparison of Other Products



Clearly differentiated technology is GREEN EARTH's Competitiveness.



04 Comparison of Other Products



	Normal Kraft Tape	GREEN EARTH Tape
STANDARD	Tape Thickness: 120-140 μ m Width: 10-50mm Length: 40m	Tape Thickness: approximately 70 μ m Width: 45/55mm Length: 50m
PRICE	KRW1,300~KRW2,900	The initial price is expected to be KRW1,100 ~KRW1,200. We plan to lower it further depending on the client's order quantity
CHARACTERISTIC	PE laminating, wax coating, etc Poor recyclability Higher price than OPP tape Poor physical properties compared to OPP tape	Eco-friendly water-soluble coating (100% alkali dissociation) very good for recycling Low price / Longer length by using thin paper Same level of physical properties as OPP tape
PLACE OF PRODUCTION	China, Korea	Korea
REMARK	Manufactured with unfriendly technology	Use of eco-friendly coating solution made from ICUBE's own patented technology

04 Comparison of Other Products – Green Washing Paper Tape


Products that are said to be eco-friendly but have been coated with PE or laminated

가엔가 에코턴 친환경 크라프트 박스테이프 무광
무소음 종이 박스테이프 48mm 40M 오늘출발

51% 2,900원 **1,400원**



품 목 : 친환경 크라프트 테이프
소 재 : 종이 외
길 이 : 40 M
폭 : 4.8 CM
원산지 : 중국



상품 01. 국내산 크라프트테이프 친
환경 종이테이프 무광48mmx40m
(10개)

개당 1,400원

비닐(PE코팅)을 전혀 사용하지 않았으며,
친환경 소재로 만든 종이테이프입니다.

품 명 : 친환경 크라프트 테이프
규 격 : 48MM*40M
두께 : 120MIC

윗면에 PE라미네이팅 처리를 하여
폴림성이 우수하여
자동포장 작업이 가능하며,
뛰어난 방습효과를 가지고 있습니다.



PE코팅을 하지 않아 글씨쓰기 가능!!

BMT 크라프트 종이테이프 48mm*40
M 친환경 무광매트 총 상품금액
2,200원



제 조국 또는 원산지 중국

탁월한 폴림성

윗면에 PE라미네이팅 처리를 하여
폴림성이 우수하여 자동포장작업이 가능하며
뛰어난 방습효과를 가지고 있습니다.

환경을 생각한 크라프트 테이프

물에 젖지 않는
방수력을 가지고 있습니다.

테이프 표면이 종이로만
이루어져 있는 것이 아니라
코팅이 되어 있어 물에도 젖지 않습니다.

친환경 소재로 만든 종이테이프는
종이박스과 함께 분리수거가 가능해서
박스를 버릴 시 테이프를 제거하는
번거로움이 필요없습니다.



친환경 테이프50mm*50m[편의점 픽업 불가] | 967개 남음

1,700원

04 Comparison of Other Products – Green Washing Paper Tape

Products that are not proven to be recyclable compared to their high prices



친환경 무광 무소음 크라프트 종이 테이프 포장 포장지 포장재 포장용 박스 택배 테이프

50mm x 40M | 1개

1 1,700원

50mmx40m

크라프트 테이프는 친환경 크라프트 용지로 제조되어 재활용 분리수거가 가능합니다.


합성 고무 접착제로 접착력을 높게 유지시켰으며 재생 골판지에도 강한 접착력을 가지며 접착제로 인한 화학 냄새를 최소화하여 어디든 편히 사용 가능합니다.

접착테이프 및 비닐포장지 제품/제조, 주문판매 전문

- 120mic 종이 두께로 내구성 우수
- 고급접착제 사용, 뛰어난 접착력
- 특수 염료 도포로 방수성 구비
- 재활용 가능한 무비닐 코팅
- 식품포장도 가능한 안전성
- 화학냄새가 전혀 나지 않음

겹쳐서 붙이는 경우 X

테이프는 윗면의 배면처리로 인해 이중으로 붙지 않습니다



친환경 크라프트 테이프 50M

일반 종이테이프 (유광)-50mm x 40M (+850일)

1 1,700원



친환경 크라프트 테이프 무광 무소음 종이 박스테이프 48mm x 40m 1개 **오늘출발**

1,650원

- ✓ 비닐 코팅 X
- ✓ 합성 고무 접착제 사용 X

내추럴 크라프트 테이프는 비닐 (P코팅) 을 전혀 사용하지 않았으며, 자체 개발한 기술로 더 완벽하고, 더 친환경적인 제품을 만들었습니다.

제조자(사)	내추럴패키지
제조국	국산

폴림의 차이

타사제품은 요처럼 확 풀리는 반면 자사 제품은 폴림을 잡아 주는 브레이크 역할을 합니다

유광 테이프와 달리 볼펜이나 매직, 싸인펜 등으로 손 쉽게 표기가 가능하고 가위나 칼 도구 없이 편리하게 사용해 보세요!



기본 상품

BTK2108 - 무지

구성: 1개입 개별포장
사이즈: 48mm x 40M

2,700원 → 1,900원

추가 상품 2

BTK2108 - 기후행동

구성: 1개입 개별포장
사이즈: 48mm x 40M

3,500원 → 2,800원

1. 천연필름 원료(NON -PE)
2. 안정적인 두께 0.14mm
3. 화학 잉크 NO
4. 글씨작성 가능
5. 부착상태에서 폐기 가능