


REVYNILFLOOR


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INFORMATION ON THE ECO-INNOVATIVE SOLUTION PROVIDER

Revynil Floor is the Vynilplus initiative to stimulate the reuse of vinyl (PVC) flooring in Europe.

VynilPlus is the 10-year Voluntary commitment to sustainable development launched by the European PVC Industry, and RecoVinyl is its sister association, in charge of all the recovery and recycling initiatives, under VynilPlus Voluntary commitments.

Scope of VynilPlus is to work tightly with its member companies to re-think/re-design their products and processes in order to reduce raw materials and energy consumption, to extend life-cycle and to re-use/recycle as much as possible.

In 2017 Recovynil certified the use of 640.000 tons of recycled PVC and targets to collect and recycle 900.000 tonnes of PVC by 2025; activities consist in data collection, so to guarantee the target are being achieved, but also in enlarging the network, including those streams currently out of it.

Recovynil is working in strict cooperation with the EU to guarantee the future traceability of recyclates, including additives and certified on the basis of voluntary and EUCertplast protocols.

SHORT DESCRIPTION OF THE ECO-INNOVATIVE SOLUTION

Revynilfloor is one of the several initiative of Vynilplus developed to stimulate sustainable controlled loop solutions for reuse, recycling and/or recovery of post-use vinyl.

These applications can range from urban furniture to floor tiles and other products that are used in the industry on a daily basis.

INDUSTRIAL SECTOR – MARKET SEGMENT AND ACTUAL APPLICATIONS IN INDUSTRY

C22.2 - Manufacture of plastics products

C28.9 - Manufacture of other special-purpose machinery

INDUSTRIAL CLASSIFICATION - NACE CODE

C22 - Manufacture of rubber and plastic products

C28 - Manufacture of machinery and equipment n.e.c.

E39 - Remediation activities and other waste management services

1. DESCRIPTION OF ECO-INNOVATIVE SOLUTION

Technical aspects of the eco-innovative solution

RevinilFloor works tightly with Recovynil and, thanks to an innovative process of recycling, has developed a safe and long-lasting PVC floor tiles.

After mechanical separation, grinding, cleaning and treatment to eliminate impurities, PVC is reprocessed using various techniques (granulated or powder) and then reused in the production of a variety of products.

Tiles to be used into industrial buildings but also as urban furniture – e.g. bumpers, benches -.

Products are manufactured following EUCertplast specifications.

Economic and environmental benefits of the eco-innovative solution

PVC is, amongst plastics, one with the highest environmental impact, due to the presence of several polluting additives and organochlorines.

The development of an efficient collection scheme and recycling industry coupled with feasible applications will allow PVC converters to tackle the negative effects deriving by the introduction of such components.

Moreover, PVC with legacy substances that are not allowed under the current environmental legislations, can be safely recycled and reused in new products.

Under the economic point of view, the use of PVC recyclates allows companies to save on cost of energy and, obviously, of virgin raw material.

2. AVAILABILITY OF THE ECO-INNOVATIVE SOLUTION AND BUSINESS PARTNERSHIP

Market readiness, Trade mark, existing market coverage commercialization strategy

Vynilplus, with its almost 20 years of experience, has developed with its members, all the technologies for properly and safely recycle PVC, but also to reuse the recyclates into safe and large-scale applications.

All these applications have the EUCertplast certification.

Requirements to adapt the solution to the local market and potential applications/market size

NOT compulsory pre-requisites would be:

- the industry's voluntary commitment on collection and recycling
- regulations on demolitions

On site after-sales services support and the technical assistance requirements

Full support can be offered at any stage of the process – collection, recycling, up-cycling -

Targeted local business partners

PVC industry, collectors, recyclers

Type of local business partnership sought

PVC-industry partnership; JV; PVC waste supply agreement; upcycled PVC products sales agreement

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Regional Activity Centre
for Sustainable Consumption
and Production

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