

ROOFCOLLECT® – Recycling System for Thermoplastic Membranes

ROOFCOLLECT® is launched as the European solution for the recycling of post-consumer thermoplastic roofing membranes under the umbrella of ESWA, the European Single ply Waterproofing Association.

Thermoplastic roofing membranes are perfectly suited for recycling after years of service on a roof.

1. Removal



Removal is a three-step operation which is carried out as follows:

1. Preparation work and cleaning
2. Measuring and cutting
3. Roll up and fill in big bags or containers

3. Registration and transport



ROOFCOLLECT® organises the collection mainly with its partner INTERSEROH in Germany and Austria. Collection in Belgium, Netherlands, Luxembourg, France, Italy, Norway, Sweden and Denmark. In some of these countries, ROOFCOLLECT® is operating with regional partners. For more information please see backside of this brochure or look in our website www.roofcollect.com.

Throughout Europe ESWA offers today a future-oriented recycling system of thermoplastic post-consumer roofing membranes. New recycling units offer the capacities for increasing quantities.



5. Reuse in new products



4. Recycling



2. Collection



a) Big Bags

The membranes are collected in big bags which are plastic bags with a maximum capacity of 400 – 500 m² of old roofing membranes and a possible total weight of 1000 kg.

b) Container

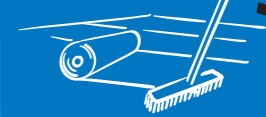
For big construction sites we offer containers. Please contact INTERSEROH or ROOFCOLLECT.

4. Recycling



PVC used in building applications may be expected to give more than forty years of useful life. For this reason alone, the opportunities for large-scale PVC recycling are still limited by the availability of waste material. However, there are proven and successful PVC mechanical recycling schemes in operation across Europe which are turning used PVC into new products. ROOFCOLLECT® cooperates with different recycling plants. The high quality of the recycled material after the Vinyloop process allows the use in new high quality products.

1. Removal



2. Collection



3. Registration and transport



Recycling of thermoplastic membranes – In the name of nature

The waste volume is not the only aspect that is crucial for the ecological impact of materials. The whole life-cycle of a product as well as the ecological effects in comparison to alternative solutions must be considered. Owing to their excellent material properties, their durability and ecological assessment, PVC roofing membranes are modern materials that ensure long-term reliable waterproofing. – In the name of nature and with their durability they meet the demands for the prevention of residual waste.

Voluntary Commitment

The roofing membrane sector represented by ESWA has committed itself to recycling increasing quantities of PVC roofing membranes at the end of life of the products. The commitment is to recycle at least 50% of the collectable, available quantity of roofing membranes waste by 2005.

Progress towards these long-term goals of sustainability is presented to a Monitoring Committee including the European Commission on a yearly basis and has been published since 2002.

Recycling is better than landfill

Since 2001 the EU Council Directive on the landfill of waste should have been implemented in all EU member countries. High energetic waste such as plastics, wood, paper and bitumen have to be pre-treated by physical, thermal, chemical or biological processes. From June 2005 onwards in Germany, one of the largest markets, non-pre-treated materials can no longer be landfilled because of ecological reasons.

A second life for Thermoplastic Roofing Membranes

Thermoplastic membranes are perfect for recycling. The material properties of the end products, the regenerates or neo-polymers, have several properties which do hardly differ from the original material. Recycling of the material makes sense if the old materials are separated, in a clean state and available in high quantities.

That's why we created ROOFCOLLECT®

ROOFCOLLECT®

Recycling System for thermoplastic end-of-life roofing membranes, swimming pools, geomembranes and other industrial foils

➔ Collection criteria:

Please find collection criteria on our website www.roofcollect.com or please order our information sheets.

➔ Collection dates:

The collection dates must be fixed with the responsible waste management partner. INTERSEROH will give the address of the collection partner who provides the big bags and carries out transport to the recycling unit.

For further information please contact:

Germany

ISD INTERSEROH

Entsorgungsdienstleistungen GmbH
Stollwerckstraße 9a
D-51149 Köln
Hotline: 0049 2203 9147-3 66
Fax-Nr: 0049 2203 9147-3 90

France

ROOFCOLLECT®

Tel N° Vert: 0800 223 712
Fax N° Vert: 0800 835 906
email: info@roofcollect.com

Belgium

SITA

Hotline: 00 32 (0) 01 46 22 628
Fax: 00 32 (0) 014 61 18 35

Austria

EVA Erfassen und Verwerten von Altstoffen GmbH

Ungargasse 35/3
A-1030 Wien
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ROOFCOLLECT®

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ESWA European Single ply Waterproofing Association
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ESWA members:

Alkor Draka S.A. (www.alkorproof.com), alwitra GmbH & Co. (www.alwitra.de), FDT (www.flachdachtec.de), Flag SpA (www.flag.it), Henkel Bautechnik GmbH WOLFIN (www.wolfin.com), Protan AS (www.protan.com), Sarnafil International AG (www.sarnafil.com), Sika-Trocal (www.sika-trocal.com), Assogomma (www.assogomma.it), CMES c/o SFEC, DUD Industrieverband Kunststoff-Dach- und Dichtungsbahnen e.V. (www.dud-ev.de)

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The European Solution -
Recycling of Thermoplastic Membranes
In the Name of Nature

www.roofcollect.com

Cleaning, Cutting, Rolling, Collection, Registration, Transport, Recycling -
We take responsibility