

# Self-adhesive tapes for sustainable prefab building and renovation

climate friendly solutions for building and construction applications



**STOKVIS TAPES**

*Effective solutions*



# Environmentally friendly, healthy and safe living using sustainable self-adhesive applications

## Stokvis Tapes products for durable and climate friendly buildings

Every building is affected by structural movements and thermal changes during its lifetime. Lasting protection is necessary during all kinds of climatic conditions and different temperatures. In short, today's building methods require more and more air, moisture and waterproofing materials. In addition to being strong, elastic, weather and chemical resistant, these products must also be as durable as the building itself, without compromising on quality and performance. Improved insulation values and moisture barriers make it all the more important to prevent moisture build-up and the formation of mould. Ventilation and fire safety will also be trending topics in the coming years.

## Developments in the building & construction industry in the coming years

- 7.5 million buildings will have to switch off their natural gas by 2050
- according to the Climate Agreement, 1.5 million existing homes must be made energy neutral by 2030
- housing shortage
- scarcity of raw materials
- Large labour shortage

To meet the construction and climate agreements, innovation is needed. Building and renovation must be circular, energy-neutral, faster, cheaper and cleaner.

Prefabrication (digitisation, industrialisation, modular construction, prefabrication and robotisation) makes building and renovation faster and more efficient. It also reduces:

- transport movements
- emissions of greenhouse gases
- construction errors



## About Stokvis

Stokvis Tapes is your solution oriented, innovative partner for self-adhesive solutions and precision tailor-made tapes with a focus on the construction industry. We serve this market as supplier, converter and global logistics partner for self-adhesive tapes and flexible materials. Thanks to our continuous partner involvement and broad, in-depth technological knowledge, we deliver value-added solutions that are geared to cost, quality, complexity and reliability. We enthusiastically take on every customer challenge.



### Application areas:

- sealing
- shielding
- protecting
- bundling
- detecting
- conducting (electrically and thermally)
- insulating (acoustic, electrical and thermal)
- marking
- masking
- splicing
- mounting
- packing

### Tapes:

- self-adhesive tapes (single- and double-sided)
- foams (PE, PUR, EPDM, ...)
- felt
- fleeces/non-wovens
- laminates of several layers
- any other flexible material on rolls or sheets

## Advantages self-adhesive tapes

Besides being used for fixing, self-adhesive tapes are also suitable for, among other things:

- moisture, water and air sealing;
- ventilating;
- insulating (acoustic, thermal and electrical);
- protecting against soiling and damage;
- protecting against fire and smoke development.

Additional advantages:

- Thinner materials can be used, which means weight and cost savings.
- No waiting times for curing adhesives and PUR foams.
- Possibly removable, so that building components can be dismantled and/or recycled.

## Your own materials self-adhesive

Together with you, we select the required adhesive layer and carrier based on your wishes and requirements. In terms of materials, you can think of: foils, films, cloths, foams, felts, fabrics and other materials on rolls, sheets or plates.

Advantages: you use your own familiar materials, which can be applied faster and more efficiently, with a visually perfect end result in terms of finishing.



## Customised tapes

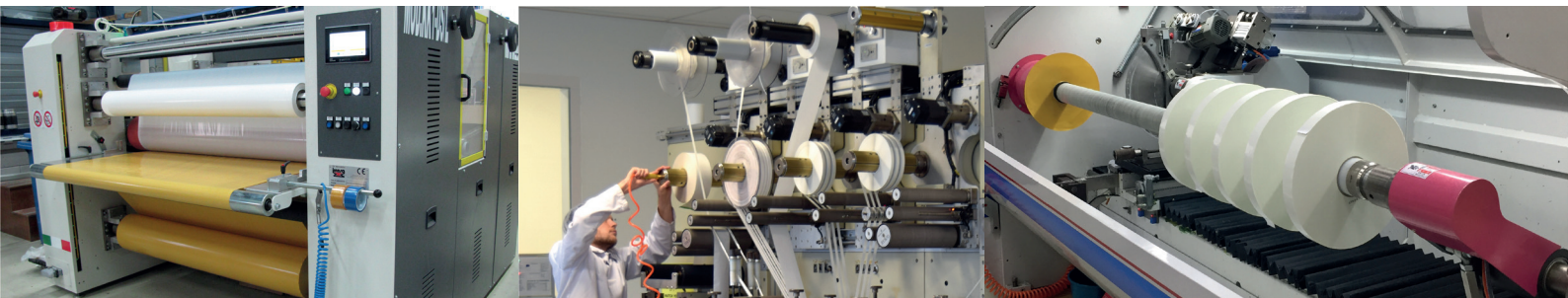
All products in the brochure can be made to measure. Our converting capabilities include die-cutting, laminating, slitting, winding, printing and spooling. Almost every shape and size is possible and of course the rolls are available in various widths and lengths.

### Advantages of customisation

- fits perfectly into the application;
- better looking end result;
- faster and easier to apply than traditional fixing methods;
- optimisation of your process;
- various new material combinations are possible;
- private label with own brand and logo;
- less waste.

### The services we offer:

- laminating
- slitting
- die-cutting
- cleanroom production
- winding
- prototyping (with laser)
- printing
- private label



## Additional Stokvis services

We also like to think along with you from a logistical point of view. Our possibilities for stock management are extensive. In addition, in consultation with you we ensure that the products are delivered in the right size, shape and numbers, on time and to the right place by means of sustainable transport.

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verstuurd via



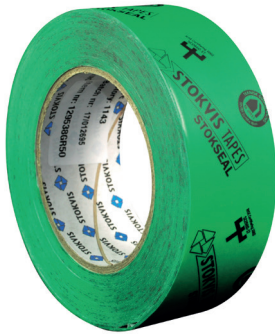
In our knowledge centre our Stokvis lab technicians can test the tape properties on your own material quickly and with high quality. With our climate cabinets, UV chambers, tensile test benches and other test equipment, we can simulate all kinds of situations. This gives us an idea of how the tape reacts to your materials, for example under exposure to UV radiation, chemicals and certain temperatures. Then, as a specialist in your area of business, you will need to test the tapes in practice in order to assess whether the product is actually suitable for this purpose.



# Sustainable assortment

Below is a selection from our building & construction range of products that can contribute to sustainability, health and safety.

In addition, we are happy to develop new innovative self-adhesive products in cooperation with you. Our tape specialists are ready to help you with the customised solution to your needs.



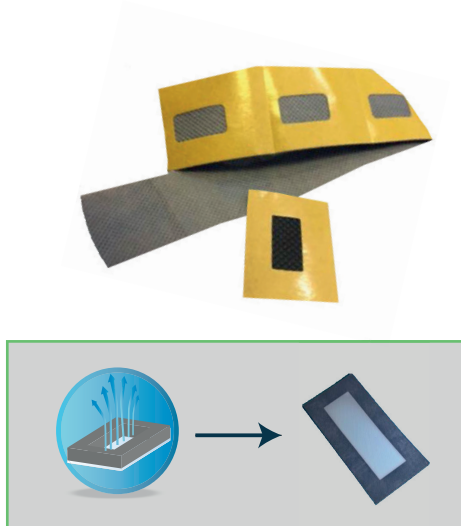
## StokSeal | air-, moisture- and watertight seals

StokSeal is a self-adhesive tape for vapour tight, vapour open and vapour retardant construction films. The adhesive tape consists of a polyethylene carrier reinforced with a polyester mesh, coated on one side with an environmentally friendly dispersion-based acrylic adhesive. The tape has a very good adhesion to most surfaces, even to uneven and difficult to bond substrates. StokSeal is very good at ageing, moisture and UV resistance. The flexible film carrier ensures air-, moisture-, and watertight bonding, even on uneven materials. The tape is used for splicing, assembling, sealing and repairing construction foils, air and vapour barriers. In addition, this product can also be used for sealing around, for example, roof terminals.

## Stokvis Ventiline | a waterproof breathable roof

Self-adhesive tape for waterproof sealing of the ridge of a roof. It prevents precipitation (rain/snow) and leaves from penetrating and is easy to apply.

Stokvis Ventiline consists of a waterproof but breathable polypropylene nonwoven fabric with aluminium edges on both sides. The aluminium edges are 30% stretchable so that they fit perfectly to the curves of the roof tiles. The butyl adhesive layers on the aluminium edges ensure good adhesion to the tiles and a watertight seal. Ventiline is highly durable, UV and weather resistant and fully recyclable. The product complies with DIN 4108-2, concerning climate-related moisture protection. Ventiline is available in the standard colours red, brown and black.



## StokVent | high-quality ventilation

StokVent combines high-quality filter material with protection against the penetration of dust and water with good ventilation properties. This product allows high air permeability, without tearing, allowing trapped air and/or moisture to escape. The acrylic adhesive ensures good adhesion to various surfaces. This product has very good ageing and moisture resistance.

As you would expect from us as a converter, the vents can be custom made to meet your requirements.





## About EPDM

EPDM foils, self-adhesive or not, excel in durability and are hardly sensitive to atmospheric influences, UV radiation, chemical pollution, water and extreme temperature fluctuations. EPDM does not contain any plasticisers, which break down or migrate to other substances in the long term. This means that the strength and elasticity remain almost unchanged, without shrinking, melting, hardening or cracking. Moreover, the lifespan of EPDM is more than 50 years.

## Multi-purpose waterproofing self-adhesive EPDM foil

Self-adhesive EPDM foils can be used as an alternative for different products in various applications. Self-adhesive EPDM foil can be applied as:

### Watertight sealing of foundations using fully or partially self-adhesive EPDM

It is clean, fast and easy. No special tools, certified personnel nor personal protective equipment are required. EPDM foil with self-adhesive acrylic or butyl is available in different dimensions.

### Waterproofing of gutters using self-adhesive EPDM foil

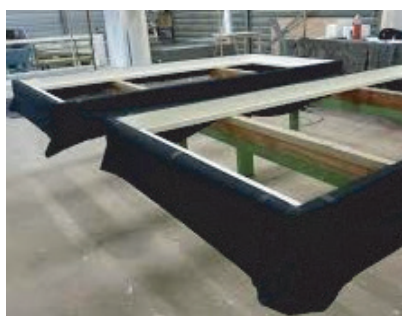
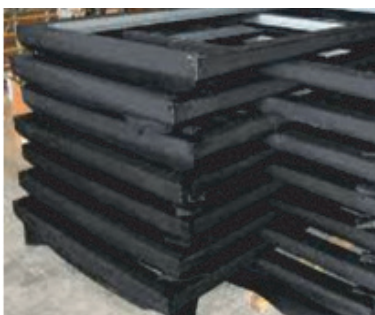
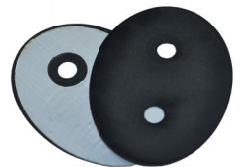
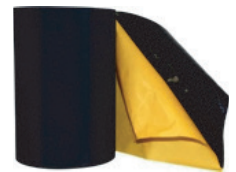
Self-adhesive EPDM foil can for example be used for waterproofing wooden gutters. This product is also good to use for durable renovation or repair of existing zinc or PVC gutters. Available in the dimensions you require.

### Moisture proof pipe and cable penetrations by means of self-adhesive EPDM die-cut parts

These can be applied cleanly and quickly without special tools. The self-adhesive EPDM die-cut parts are available in various sizes for different pipe and cable diameters.

### Installation of door and window frames using fully or partially self-adhesive EPDM

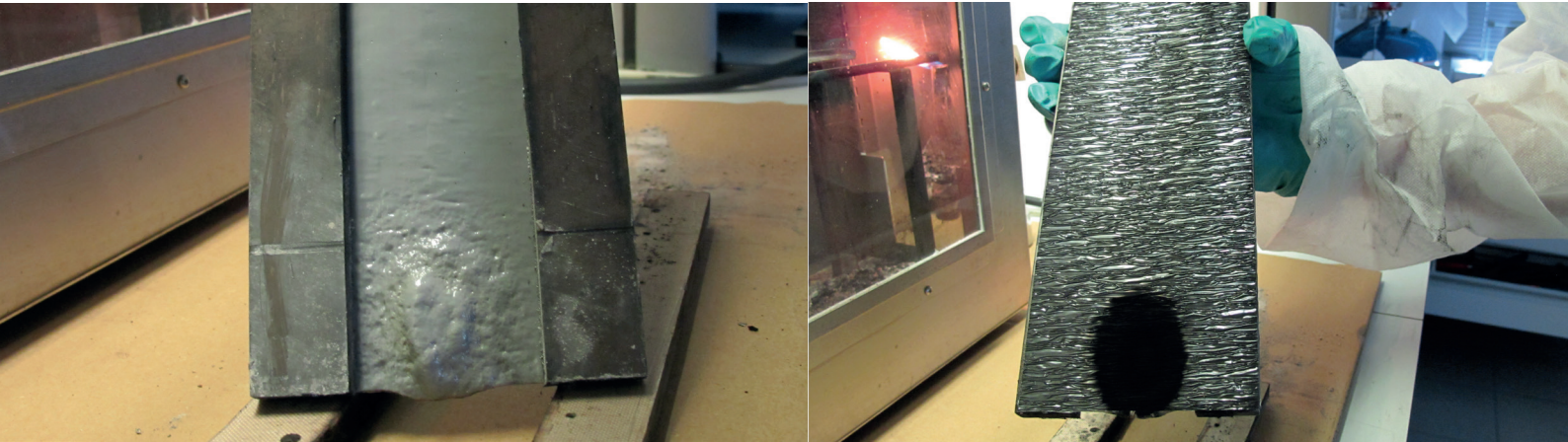
Water and airtight sealing of gaps between window frames and walls is necessary to prevent leakage, for insulation and to create a comfortable indoor climate. Fortunately, there is also a sustainable and recyclable alternative, namely fully or partially self-adhesive EPDM foil, which is quick and easy to apply. These products are available in the required dimensions.





## Flame-retardant and smoke-resistant alu-butyl | sealing tape

This self-adhesive alu-butyl tape has the function of sealing gaps and seams in a building to prevent smoke and fire from spreading in the event of a fire. In addition, the tape has flame-extinguishing properties and is provided with a special folded aluminium, which allows an elongation in the longitudinal direction of 60%. The tape is UV resistant, flexible, light and easy to apply on most building materials, metals and flexible or hard plastics. Moreover, it is also very suitable for sealing roof elements, such as chimneys, dormers, skylights, gutters and roof lead-throughs. The tape is available in various widths, thicknesses and colours.

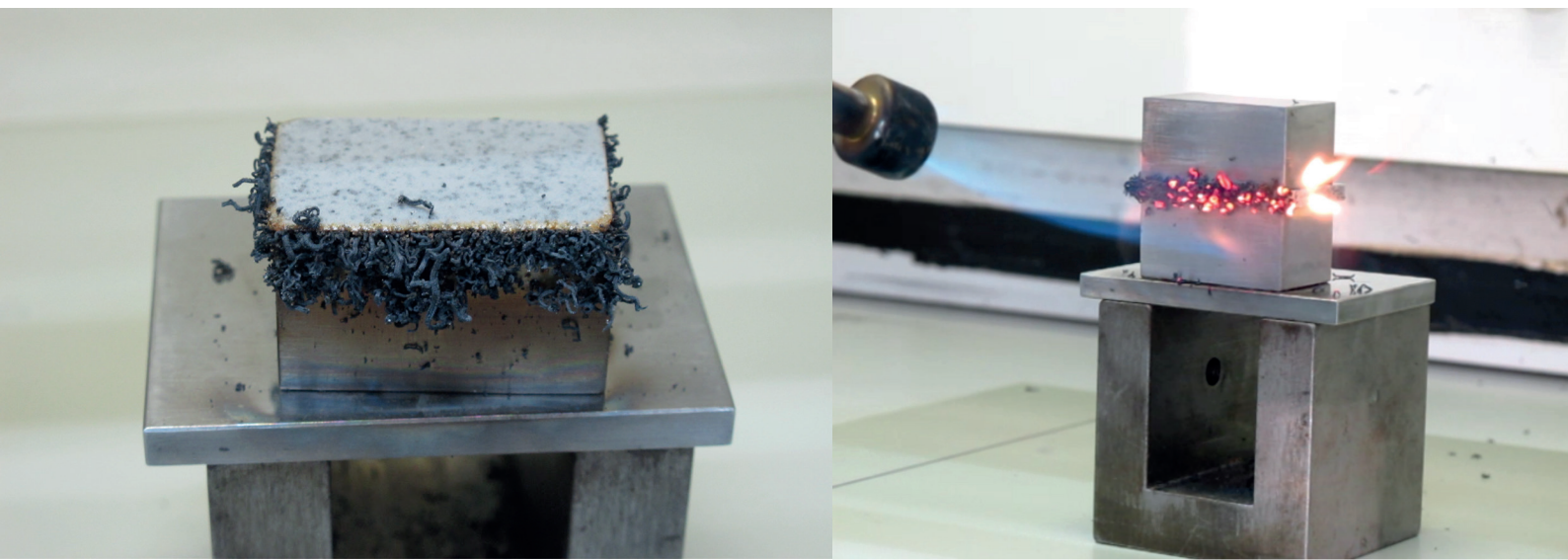


## Fire resistant sealing foam | prevent fire propagation

When exposed to high temperatures, this foam will swell and also generate carbon that acts as a shield. This blocks smoke, hot gases and fire, and prevents fire propagation.

### **This product has a unique combination of properties:**

- intumescent, to block flames, hot gases and smoke in case of fire;
- resilient, to absorb differences in expansion;
- soft, conforms to uneven surfaces;
- airtight, for optimal acoustic and thermal insulation;
- waterproof, for indoor and outdoor applications;
- self-adhesive on 1 side (optional), for easy positioning;
- available in 4 thicknesses: 4.5mm, 6mm, 9mm and 13mm.

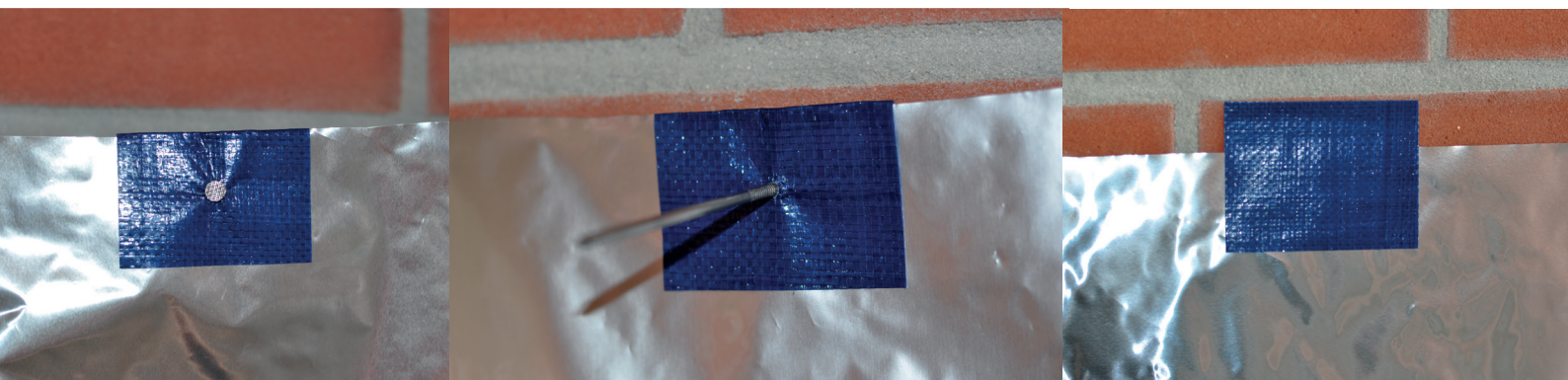
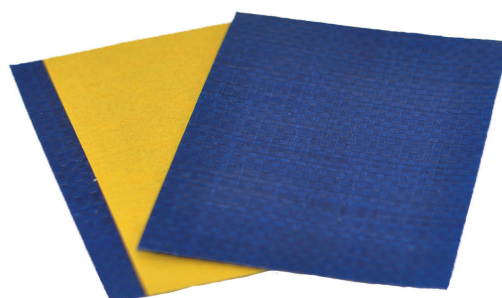






## Self-adhesive reinforced PE patch | insulation foil reinforcement

This product is used in floor insulation (bottom) to reinforce the fragile insulation foil at the points where mechanical fastening by using nails, staples or screws takes place. This prevents the insulation foil from tearing during installation and during its service life. Also suitable for temporarily fixing the insulation foil to walls, ceilings and floors as a third hand. The standard size of the die-cut part is 90mm x 65mm. Other dimensions are available on request.



## Protective foil | prevent damage during manufacturing, transport and construction work



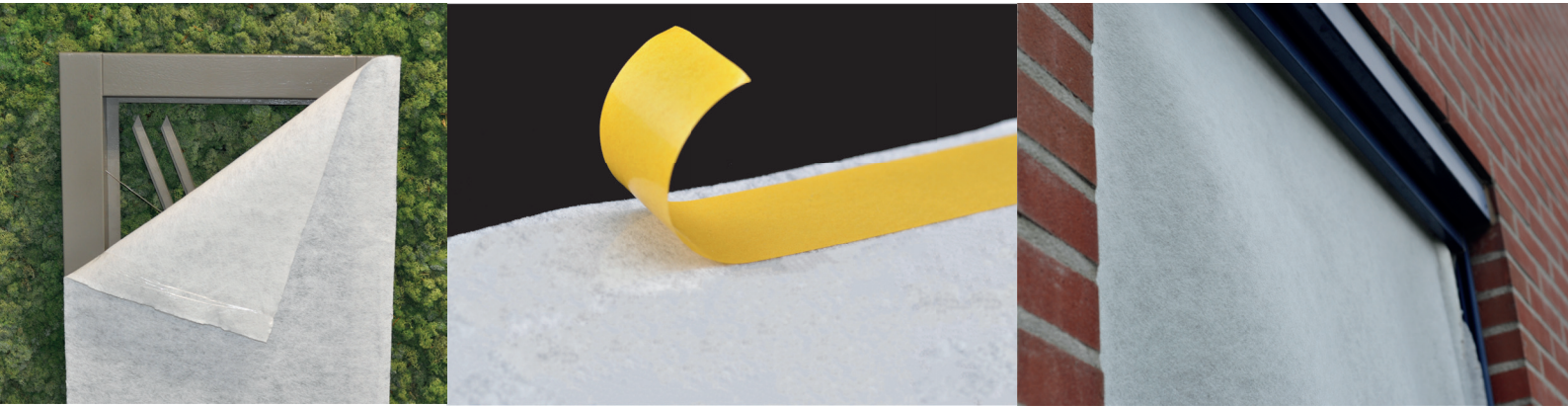
Avoid extra costs for cleaning, repair and/or replacement due to damage. You want to avoid extra costs due to damage as much as possible during manufacturing, transport and construction work. For doors and windows, we have protective tapes and foils that combine excellent mechanical protection with residue-free removal.

Here it is important that the tape is applied, utilised and removed correctly. Please consult your tape specialist to find out which tape is the most suitable for your application.



## Self-adhesive recyclable nonwoven protection fabric

There is a demand from the carpentry market for a sustainable way of protecting door and window frames during transport, storage and construction work. Our sustainable nonwoven protection cloth is produced from recycled PET (and recyclable again). This product can be provided with a self-adhesive tape at the edges which can be removed cleanly after a few months in outdoor conditions. If desired, the tape can also be applied directly to the frame first. Other dimensions are possible on request.



## Quick Masking | protective masking foil for large areas

Avoid extra costs for cleaning, repair and/or replacement due to damage with this strong, pre-folded transparent PE masking foil. Features a self-adhesive masking tape on one side. Quick Masking protects against dust, dirt and paint. It is the solution for effortlessly protecting, covering and taping large surfaces in one go.

- a must-have during construction, renovation, painting, cleaning, etc;
- suitable for large surfaces, such as doors, furniture, walls, windows, etc;
- can also be used for masking large surfaces when refinishing vehicles;
- the statically charged foil attracts spray mist and dust;
- adheres itself to substrates due to the static charge;
- is ideal for taping along straight lines.





## Draught excluders | a comfortable and durable living space

**Doors and windows are an essential part of any building. Draught excluder contributes to a comfortable indoor environment because:**

- it reduces energy consumption;
- it prevents heat loss and draughts inside;
- keeps dust and pollen out;
- it reduces noise from outside.

### **EPDM draught excluder (self-adhesive):**

Self-adhesive extruded EPDM rubber draught excluder tape for doors and windows is:

- easy and quick to install;
- suitable for indoor use;
- very flexible;
- lifetime of >8 years;
- available in various dimensions and colours.

### **Thermoplast draught excluder (self-adhesive):**

Self-adhesive thermoplastic draught excluders with Omega profile for doors and windows are:

- resistant to all weather conditions;
- flexible;
- waterproof;
- washable;
- applicable inside and outside;
- lifetime of >15 years;
- available in various dimensions and colours.



**Stokvis Tapes also supplies products that are applied in the segments:**

- renewable energy
- electronics
- industrial
- aerospace
- healthcare
- transport and transport equipment

*Each user must test the suitability of the product for its intended use and bears all risk and liability in connection therewith. Stokvis Tapes shall not be liable for any damage resulting from the unsuitability of the product.*





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Sweden

## STOKVIS TAPES BENELUX BV

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### **Belgium**

Mechelsesteenweg 586C

1800 Vilvoorde

Email: [info@stokvistapes.be](mailto:info@stokvistapes.be)

Tel. +32 (0)22 55 06 11

### **Netherlands**

Van Hennaertweg 10

2952CA Alblasterdam

Email: [info@stokvistapes.nl](mailto:info@stokvistapes.nl)

Tel. +31 (0)78 699 21 00

[WWW.STOKVISTAPES.NL](http://WWW.STOKVISTAPES.NL)