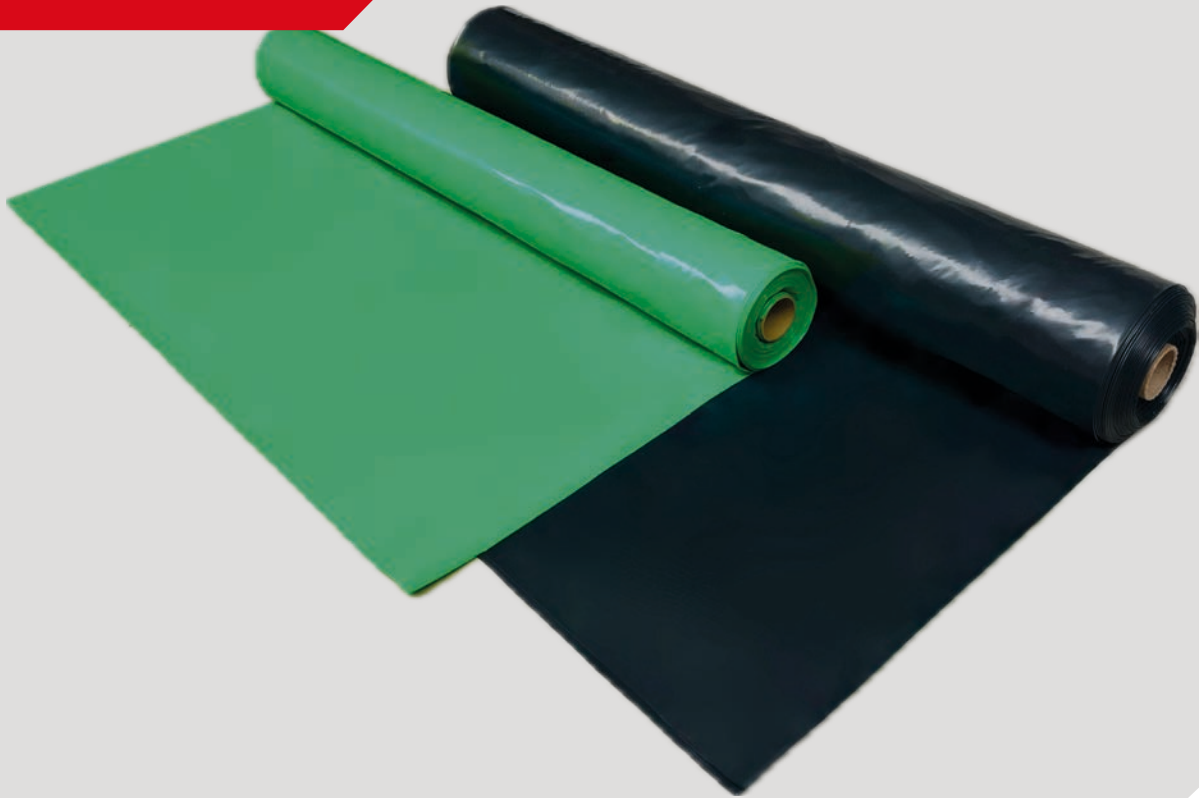




V-GARD™ PE

VAPOR CONTROL FOIL

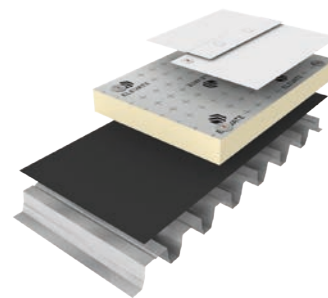
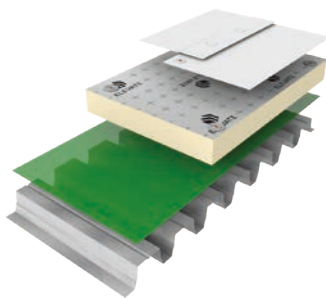
In recent years, there is a clear trend to have higher energy efficient buildings, which is also driven by building regulations. The roof is a large part of the building envelope and therefore has a significant impact on the flow of energy in and out of buildings. Vapor control membranes play a very important role in this.

It takes more than just the installation of thermal insulation to create an energy efficient and comfortable environment. Thermal insulation reduces heat transfer, while a vapor control membrane primarily serves to control migration of moisture through the roofing assembly. It eliminates the risk for moisture build-up from condensation and thus ensures the thermal performance of insulation. In addition, a properly installed vapor control layer also provides air tightness and thus assists in controlling energy losses.

The Elevate V-Gard PE vapor control foils are designed to be used as vapor control layer in Elevate roofing systems where insulation is either mechanically attached or loose laid. They are made of Low Density Polyethylene (LDPE) based foils rolled and properly protected.

The V-Gard PE 200 and V-Gard PE 400 foils, both anthracite in color, are made with a high percentage of recycled content. This reduces their environmental impact, while still being easily recyclable at their end-life. The V-Gard PE 200 E vapor control foil meets class E classification following the EN 13501-1 standard for projects with higher fire requirements. It is available in a translucent green colour made of the highest granule quality.

All V-Gard PE vapor control foils can be left exposed during installation, keeping their product properties unchanged. The anthracite colour of the V-Gard PE 200 and 400 provides them additional UV protection. If required, V-Gard PE vapor control foils can be seamed with the V-Gard PE Seam Tape.



PRODUCT DETAILS

	V-GARD PE 200	V-GARD PE 200 E	V-GARD PE 400
THICKNESS	0.2 mm	0.2 mm	0.4 mm
ROLL WIDTH	6 m	6 m	4 m
ROLL LENGTH	50 m	50 m	25 m
WATER VAPOR PERMEABILITY (S_d)	>110 m	>110 m	>220 m
REACTION TO FIRE	F	E	F
COLOUR	Opaque anthracite	Translucent green	Opaque anthracite

ADVANTAGES



Vapor resistance

Vapor resistance value is expressed by an S_d (equivalent air layer thickness) and is >110 m for the 0.2 mm foil and > 220 m for the 0.4 mm foil.



Recyclable

The V-Gard PE 200 and 400 foils are made of a high percentage of recycled LDPE. Although V-Gard PE 200 E is not made with recycled material, all V-Gard PE products can be easily recycled at the end of their service life.



Safe, fast and easy to install

The installation of V-Gard PE foils is part of a single-ply concept: it is a 100% cold and user-friendly process. It is suitable for all common substrates, even at low temperatures.



Wide panels

With panel sizes up to 6 m x 50 m, V-Gard PE foils can cover up to 300 m² with a single roll, reducing the amount of seams.



Cost effective

V-Gard PE foils are suitable for most substrates, while being price competitive for roofs of buildings with limited humidity production.



Chemical resistance

V-Gard PE foils have passed tests following the EN 1847 standard, which measures resistance to Alkali.



One-source supplier

The use of V-Gard PE foils ensures a compatible design and high quality performance where all roofing components are supplied and warranted by one manufacturer.



Unlimited shelf-life

When stored under proper conditions, the shelf-life of the V-Gard PE foils is unlimited.