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European Technical Assessment

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General Part

Technical Assessment Body issuing the European Technical Assessment:

Kiwa Nederland B.V.

Trade name of the construction product

DuoFOIL Vent

Product family to which the construction product belongs

Thermal insulation products for buildings with radiant heat reflective components.

Manufacturer

Duofoor B.V.

Lage Ham 50b
5102AD, Dongen
The Netherlands
<https://www.duofoor.eu>

Manufacturing plant(s)

Duofoor B.V.

Lage Ham 50b
5102AD, Dongen
The Netherlands
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This European Technical Assessment contains

12 pages

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Specific parts

1. Technical description of the product

1.1. Definition of the product

The subject of this European Technical Assessment (ETA) is thermal insulation product for building with radiant heat reflective components with designation DuoFOIL Vent.

DuoFOIL Vent is a multi-layer thermo-reflective and breathable insulation material designed for thermal insulation applications. The product combines thermal insulation performance with water vapor permeability to allow roofs to breathe while maintaining energy efficiency.

This product is available in two variants: DuoFOIL Vent 45 (hereinafter Product 1) and DuoFOIL Vent 100 (hereinafter Product 2). Both versions consists of multi layers alternating polyester fiber wadding and metallized perforated films, with a reflective low-emissivity outer surface and a breathable membrane on the opposite side. The foil layers reflect radiant heat, while the internal structure reduces conductive heat loss. An integrated adhesive strip simplifies installation, and an additional adhesive tape for ease of installation.

Product 1: consists of 11 layers, including 5 layers of polyester fiber wadding, 4 internal layers of perforated metallized film, and outer layers with reflective aluminum on one side and a vapor-permeable membrane on the other.

Product 2: consists of 23 layers, which include 11 layers of polyester fiber wadding, 10 internal layers of perforated metallized film, and outer layers featuring reflective aluminum on one side and a vapor-permeable membrane on the other.

Table 1 – Presentation of the product per roll.

Characteristics	Value	
	Product 1	Product 2
Nominal Weight	11,6 [Kg]	23,2 [Kg]
Nominal thickness	40 [mm]	82 [mm]
Nominal Width	1200,1500 [mm]	
Nominal Length	10040 – 10180 [mm]	
(*) Presentation of the product per roll.		

