

# CLIMATE DECLARATION

FOR ODE MEMBRAN  
Declared unit: 1 m<sup>2</sup>

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.

## Information about the product

ODE Membran, Polymer modified bituminous membrane is a superior bitumine which is obtained by processing bitumen and polymers at high temperatures (through APP and SBS) in order to ameliorate the physical properties (transformation, softening and bending points, UV and fatigue) of bitumine. There is three types of membrane series produced by ODE; Opal, Rubin and Granat. Each product series have different cold flexibility value and technical specifications.



## Information about the company

Started the business in 1985, ODE became a regional power in 2010 and has become a worldwide brand in 2015. The company manufactures glasswool under brand name of ODE Starflex, extruded polystyrene foam (XPS) under the brand name of ODE Isipan, elastomeric rubber foam under brand name of ODE R-Flex, and APP and SBS modified bitumen for waterproofing under the brand name ODE Membran.

ODE has set a target growth of 175 per cent until 2018 within the scope of the 5-year strategic business plan.

ODE follows the national and international standards in production, putting an emphasis on its human capital and environment.

## Climate Declaration

The table below shows the emissions of greenhouse gases, calculated as kg carbon dioxide equivalents for 1 m<sup>2</sup> of ODE Membran

The included life cycle stages are raw material supply, transport and product manufacture (A1-A3) and disposal (C4). Other modules are not included.

Manufacturing A1-A3	End of life C4
1.73 kg CO <sub>2</sub> e	0.000435 kg CO <sub>2</sub> e

## Other environmental information

This declaration is limited to the impact on climate change by emissions of greenhouse gases. Further information about other relevant environmental aspects is available in the EPD® at [www.environdec.com](http://www.environdec.com) and [www.epdturkey.org](http://www.epdturkey.org).

The EPD is also available via the ECO Platform website, <http://www.eco-platform.org/list-of-all-eco-epds.html>

## Contact information

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THE INTERNATIONAL EPD® SYSTEM

LINK TO MORE INFORMATION: <http://www.environdec.com/en/Detail/epd673>

CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE