

## IKO enertherm WCL

IKO enertherm WCL is used as a separating and water control layer in low moisture impact inverted and green roofs.

| Length (m) | Width (m) | Area per Roll (m <sup>2</sup> ) |
|------------|-----------|---------------------------------|
| 100        | 1.5       | 150                             |

All dimensions are nominal



### Introduction

IKO enertherm WCL is a high performance, thermally bonded tri-laminate of polypropylene; spun bonded (outer layers) and microporous (inner layer). It is used in combination with IKO enertherm XPS as part of the enertherm WCL System for inverted and green roofs.

IKO enertherm WCL is used as a separating and water control layer in low moisture impact inverted and green roofs. Water resistant properties result in reducing the flow of water through the roof construction. This means that the impact on thermal performance by rainwater cooling is largely negated.

Inverted and green roofs incorporating IKO enertherm WCL are lighter as less ballast is required. This is due to a vastly reduced floatation impact as more drainage occurs above the insulation than below it.

### Features & Benefits

- Improves the thermal performance of inverted and green roofs
- Waterproof and water vapour permeable
- Enables thinner insulation and less ballast to be used

### Thermal Performance

Improves the thermal performance of inverted and green roofs by reducing the amount of rainwater flowing between the insulation and the waterproofing membrane.

## Specification

**Standards:** Manufactured in accordance with ISO 9001 Quality Management Systems, ISO 14001 Environmental Management Systems and with OHSAS 18001 Occupational Health and Safety Management Systems.

**Environmental:** Representing no known threat to the environment with zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of less than five.

**Water Resistance:** Able to resist a 1.50m head of water.

| Property                               | Test Method               | Data                     |
|--|---------------------------|--------------------------|
| Weight                                 | -                         | 95g/m <sup>2</sup>       |
| Tensile strength in MD                 | EN 12311-1                | 185N/5cm                 |
| Tensile strength in CD                 | EN12311-1                 | 130N/5cm                 |
| Nail tear resistance 20cm folded MD/CD | EN12310 0 1<br>prEN 13859 | 55N/20cm<br>65N/20cm     |
| Water resistance                       | EN 20811                  | 1.5m of water head       |
| Water vapour transmission              | Lyssy                     | 1,200g/m <sup>2</sup> .d |
| UV stability under constant exposure   | prEN 1297                 | Up to 4 months           |

## Handling & Storage

IKO enertherm WCL is easy to handle and install and can be cut with a knife or scissors. It is supplied in rolls in polythene packaging and is labelled with identifying product and manufacturing data. The product may be stored flat or upright on a clean, level surface and should be kept under cover.

This technical datasheet is applied to products sold by IKO PLC and valid until withdrawal or until modification. Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (\*see date of issuing). Most recent version of this datasheet can be also accessed under [www.ikogroup.co.uk](http://www.ikogroup.co.uk). Modification of the technical datasheet repeals the previously issued versions!