

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 ²)
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.

For full application details please refer to BBA certificate 14/5149.

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 ²
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 prEN 13859	55N/20cm 65N/20cm
Water resistance	EN 20811	1.5m of water head
Water vapour transmission	Lyssy	1,200g/m ² .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. Modification of the technical datasheet repeals the previously issued versions!