

IKO Roofstar Plus

Product Information

IKO Roofstar Plus is a specially formulated mastic asphalt roofing, using advanced polymer technology to give the ideal combination of long term durability, increased fatigue resistance and improved temperature stability.

IKO Roofstar Plus is supplied in nominal 20kg blocks. IKO Roofstar can also be supplied directly to site in purpose built hot charge transporters capable of holding up to 18 tonnes of molten material.

	Product Code
Block (20kg)	4104000
Hot Charge	5104000



Vapour resistivity

The Vapour resistivity is very high and can be assumed to be not less than 100,000 MN/g.

Resistance to water

IKO Roofstar Plus is impervious to water.

Resistance to movement

IKO Roofstar Plus is thermoplastic and is capable of accommodating normal movements encountered in well-designed building structures.

Structural movement joints within the roof will require the incorporation of a proprietary expansion joint which is compatible with a mastic asphalt roof waterproofing system.

Use

IKO Roofstar Plus can be applied to form a continuous waterproof covering over flat, sloped or curved surfaces. It can be worked round pipes, roof lights and other projections to provide a completely seam free waterproof membrane. It is suitable for continuously supported flat roofs both insulated and un-insulated as well as inverted/green roof configurations.

Features & Benefits

- Complies with BS EN 12970:2000 – Mastic asphalt for waterproofing
- Polymer Modified
- Completely seamless waterproofing
- Long term durability
- Enhanced product stability across a wide temperature range
- Traditional application
- Manufactured under a BS ISO 9001 Quality Assurance Scheme
- IKO 20 Year Material Guarantee

Durability

An IKO Roofstar Plus mastic asphalt roof, properly designed and maintained, can be expected to provide many years of trouble-free service. Good design can also extend the life of a mastic asphalt roof. *“Mastic Asphalt roofing properly designed and laid should be capable of lasting 50-60 years.” BRE Digest 144.*

Application

IKO Roofstar Plus should be installed in accordance with IKO installation instructions, BS 8218: 1998 and BS 8000:Part 4, on to IKO Black Sheathing Felt separating layer. Structural decking should comply with the recommendations in BS 6229 (flat roofs with continuously supported coverings) and be laid in accordance with the relevant codes of practice. Where using insulation in a warm roof configuration, the insulation should be laid on to a suitable Air & Vapour Control Layer.

IKO Roofstar Plus blocks should be re-melted in a purpose made mastic asphalt mixer. When it has attained a molten condition it should be agitated continuously to ensure a uniform consistency. When re-melting do not exceed a maximum temperature of 230°C.

IKO Roofstar Plus is applied using a wooden float to a uniform thickness. On horizontal areas, IKO Roofstar is usually laid in two coats to a nominal thickness of 20 mm on a separating membrane of Black Sheathing Felt. In buried situations, such as roof gardens, the thickness is increased to 30 mm laid in 3 coats.

Detail work and surface finishes should be installed in accordance with the relevant codes of practice, client requirements and IKO specifications.

Surface Protection

With the exception of vertical and steeply sloping work, the finished IKO Roofstar Plus must be sand rubbed to reduce the incidence of crazing.

A protective surface should be applied to all flat areas using a suitable solar reflective paint, stone chippings or promenade surfacing.

Resistance to loading

IKO Roofstar Plus can accept, without damage, the limited foot traffic and light concentrated loads associated with installation and maintenance operations. Where loadings exceeding this are envisaged, promenade tile surface protection must be specified.

Maintenance

As with all roofing systems, proper maintenance is essential to the long-term performance of the IKO Roofstar installation.

IKO Roofstar Plus roofs should be inspected twice yearly, preferably in the spring and autumn, and/or after extremes of weather conditions.

Inspections should be carried out generally in accordance with BS 6229

Guarantee

IKO Roofstar is covered by a 20 year Material Guarantee.

Disclaimer

Whilst every precaution is taken to ensure that the information given in this literature is correct and up to date it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

IKO reserve the right to amend and/or withdraw this document without notice.

Intending purchasers of our materials should therefore verify with the company whether any changes in our specification, application details, withdrawals or otherwise have taken place since this literature was issued.