

# Easy-Melt Bonding Bitumen

## Product Data Sheet

January 2013

### Modified Bonding Bitumen For Bituminous Roofing Membranes

#### Features and Benefits

- High quality general purpose hot bonding bitumen
- Melt-away packaging
- Easy to handle 10kg shrink-wrapped blocks
- One quarter the weight of conventional kegs
- Environmentally friendly - no wrapper to remove and dispose of
- Economical to stack and store - requires less room than a conventional keg
- Heated in a standard bitumen boiler
- Requires less heat to achieve usage temperature
- Normal working temperature 200°C (Do not heat above 220°C)

#### Description

IKO Easy-Melt is a modified bonding bitumen, supplied in easy to handle 10kg blocks. Easy-Melt Bonding Bitumen requires less heat to achieve the optimum laying temperature, and provides excellent performance and greater efficiency. Its shrink-wrapped block format also offers safer handling and reduced waste on site.

Easy-Melt Bonding Bitumen is hot applied, and is used for bonding roofing membranes to themselves, insulation materials and vapour control layers to a wide variety of substrates. Easy-Melt should be installed in accordance with the requirements of BS 8217:2005 / BS 8000:Part 4, on roofs not exceeding 5° pitch.

Easy-Melt Bonding Bitumen is broken into pieces and placed straight into the bitumen boiler, including the polyethylene wrapper. There is no packaging to dispose of.

#### Product Details

| Typical Performance                  |   |
|--------------------------------------|---|
| Softening point °C                   | 90 - 100  |
| Penetration 0.1mm                    | 20 - 30   |
| Flash point °C (ASTM D92)            | 270   |
| Coverage kg/m <sup>2</sup> per layer | 1.5 - 2.0 (approximately 660m <sup>2</sup> per tonne) |
| No. of Blocks per Pallet             | 80  |

#### Application

Roofing felts should be applied in accordance with the requirements of BS 8217: 2005. It is recommended that the guidelines laid down in the FRA Information sheet No. 18 (Code of practice for safe handling of hot bitumen for roofing purposes) are followed for the use of Easy-Melt Bonding Bitumen.

The roof area to be covered must be dry and clean, free from dust, dirt, grease or any other material, which may impair adhesion. Structural repairs should be made where necessary.

Prime any absorbent surfaces using IKOpro Quick Dry Bitumen Primer in accordance with the relevant application instructions. It is essential that the primer is allowed to thoroughly dry before hot bitumen is applied over it.

On plain edge or tongue & groove timber boarded decks it is normal practice to fix the first layer of felt by nailing, not bitumen bonding.

Easy-Melt Bonding Bitumen should be broken into small lumps, put into a bitumen boiler, and stirred to prevent local overheating. More should be added until there is sufficient molten adhesive for the work in hand and the bitumen attains its normal working temperature of 200°C. The use of a thermostatically controlled boiler is recommended to ensure the bitumen is not overheated. **Do not heat Easy-Melt above 220°C.**

Traditional pour and roll methods for bonding built-up roofing should be as follows. Hot bitumen is poured (or applied by a mop) in front of the roofing roll, which is then unrolled into the bitumen, spreading it to give a continuous coating for the full width. Side and end laps should be in made accordance with manufacturer's instructions.

Note: Excess bitumen from clean lap finishes etc, which may be contaminated with water and or paste, should not be put back into the boiler for re-heating.

Only trained operatives should use hot bitumen. Always wear gloves and suitable personal protection equipment.

### **Storage**

Store in cool dry conditions

### **Shelf Life**

Indefinite when stored as recommended.

### **Other Products**

Full product literature, health & safety and technical sheets are available as downloads from our website [www.ikogroup.co.uk](http://www.ikogroup.co.uk) or on request by email: [marketing@ikogroup.co.uk](mailto:marketing@ikogroup.co.uk)

#### **IKO PLC**

##### **Literature Enquiries**

Tel: 0844 412 8554

E-Mail: [marketing@ikogroup.co.uk](mailto:marketing@ikogroup.co.uk) Website: [www.ikogroup.co.uk](http://www.ikogroup.co.uk)

##### **Sales Support**

Appley Lane North, Appley Bridge, Wigan, Lancashire WN6 9AB

Tel: 0844 873 1065 Fax: 0844 873 1067 E-Mail: [sales@ikogroup.co.uk](mailto:sales@ikogroup.co.uk)

##### **Technical & Design Services**

Appley Lane North, Appley Bridge, Wigan, Lancashire WN6 9AB

Tel: 0844 412 7228 Fax: 0844 412 7229 E-Mail: [technical@ikogroup.co.uk](mailto:technical@ikogroup.co.uk)



Whilst every care is taken to see 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. Intending purchasers of our materials should therefore verify with the company whether any changes in our specification or application details or otherwise have taken place since this literature was issued.

Company Registered in England No. 2678296 – Registered Office: Appley Lane North, Appley Bridge, Wigan, Lancashire, WN6 9AB