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# IKO permatrack

## H - High Modulus

**IKO highways & civils**

Advanced Repair & Maintenance Systems

Block Product Code: 77040000

Hot Charge Product Code: 77050000

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### IKO PERMATRACK H (HIGH MODULUS)

#### DESCRIPTION:

- Polymer and Trinidad Lake Asphalt modified, high modulus surface course mastic asphalt.

#### USE:

- Used in asphaltic expansion joints and highway repair systems

#### FEATURES

- Withstand high loadings without rutting and creep, and incorporates pre-coated or specialised chippings to provide an equivalent skid resistance to the surrounding carriageway.
- The material has both low temperature flexibility and a high resistance to deformation.
- Suitable for high load and high wear areas where traditional repair systems have failed.
- Thin surfacing (Minimum 40mm depth) No maximum limit.
- Excessive width (No maximum width).
- Easy to form around complex ironwork clusters.
- Voidless, requiring no compaction.
- Impervious to water.

#### PHYSICAL PROPERTIES:

PROPERTY	TEST METHOD & CONDITIONS	RESULT
Rut resistance <sup>(1)</sup>	Appendix B, Method 3 At 50°C	<5mm/hr rut rate <7mm Overall rut depth
Yield strain <sup>(1)</sup>	Appendix B, Method 7	>2.5%
Binder softening point R+B	BS2000: Part 58	>85°C
Skid Resistance Value	Pendulum method	SRV 60+
Binder Resilience	BS2499: Part 3	>15%
Thin surfacing compatibility	Minimum depth of joint	40mm
Thick surfacing compatibility	Maximum depth of joint	No Limit
Maximum width of joint	Including adjacent double joint	No Limit

<sup>(1)</sup> – Guidelines document for the assessment and certification of crack sealing systems for highways.

HAPAS Certified No 02/H072 Manufactured in accordance with a BBA approved quality plan and under ISO9001 quality systems. Inlaid Crack Sealing System.

- Physical State / form: Solid (Ambient) / Fluid (Temperature >160°C)
- Colour: Black
- Odour: Asphaltic / Bituminous
- Format: Block (20Kg)
- Specific Gravity (S.G): 2110Kg/m<sup>3</sup>

#### RELATED COMPONENTS:

- IKO Permatrack PSB (Penetrates, Seals & Bonds)
- IKOpro Quick Dry Primer
- IKO Joint Gap Sealer Membrane (D300)
- IKO Permatrack Movement Accommodation Strip (15mm)
- IKO Permatrack Heat Sink Block
- IKO Glass Fibre Anti-migration Matting
- 20mm Pre-coated aggregate chippings
- 6mm Aggregate (bagged)
- Metal Bridging Plate
- Drainage Channels (Pressure relief)

**PACKAGING/DELIVERY:**

- IKO Permatrack H is supplied as a 20Kg block on either 80 x 20Kg (1600Kg total) or 50 x 20Kg (1000Kg total) shrink wrapped pallets. It is designed to have the supplied bagged coarse aggregate added during melting down on site. At the proportions 35% aggregate to 65% block. The Bags contain 25Kg of aggregate.
- The material can also be delivered hot, ready to use, in dedicated tankers.

**APPLICATION:**

- Application temperature between 160°C - 180°C
- All surface must be clean, dry and free from grease, oil, dirt and loose material.
- Generally applied to a surface coated with a minimum 5mm thickness of Permatrack PSB.
- May also be cast against temporary irons/formers that when later removed will form recesses into which Permatrack PSB can be poured to form a transition joint.
- Can be applied to dry surfaces down to -5°C

**Note:** See relevant specific Method Statements for full application / installation details.

**CLEANING:**

- All equipment can be kept clean using heat.

**STORAGE:**

- Pallets should be stored in cool, dry condition and out of direct sunlight.

**SHELF LIFE:**

- Unlimited if stored as recommended.

**HEALTH AND SAFETY:**

- Health & safety data 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)

**FIRE:**

- In case of fire, use foam, dry powder, carbon dioxide or sand. Never use water jet.

