



# Dantex Iron-Guard®

## Ironwork repairs for asphalt & concrete



### MATERIAL SAFETY DATA SHEET Latest Revision - March 2020

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**PRODUCT:** Dantex Iron-Guard  
**OTHER NAMES:** Dantex Iron-Guard Brick  
**STOCK CODES:** DANTEX05B

#### 1. SUBSTANCE / PREPARATION & COMPANY IDENTIFICATION:

**CHEMICAL NATURE:** A mastic asphalt material for the repair of asphalt and concrete surfaces around ironwork.

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

**Contains:** A blend of suitable graded mineral aggregates mixed with asphaltic cement (bituminous binders) derived from crude petroleum oils and Trinidad Lake asphalt.

#### 3. HAZARD IDENTIFICATION:

**EC CLASSIFICATION:** Not classified as dangerous under EC criteria.

**HEALTH HAZARDS:** At ambient temperature mastic asphalt presents no health hazard.

The hazards presented by mastic asphalt will depend on the temperature of the mix, type of binder, situation and method of application employed.

**HAZARD:** Burns during the re-melt and application stages.

Inhalation of high vapour concentrations may arise in confined or semi-confined areas.

Spontaneous ignition could result after extended overheating of minimal quantities in reheating equipment.

At normal operating temperatures, as detailed in the British Standards Institution's relevant code of practice, risk of fire is minimal.

**ENVIRONMENT:** Mastic asphalt is not classified as dangerous to the environment.

#### 4. FIRST AID MEASURES:

In all cases if symptoms are severe, persist or cause concern obtain immediate medical advice. First aid procedures apply when the product is at elevated temperature.



**INHALATION:** If inhalation of mists, fumes or vapour causes irritation to the nose or throat, remove to fresh air. If rapid recovery does not occur obtain medical attention.

**EYES:** If contact with hot product, cool the burn area by flushing with large amounts of water. Do not attempt to remove anything from the burn area or apply burn creams or ointments. Cover the burn area loosely with a sterile dressing, if available. Transport to the nearest medical facility for additional treatment. All burns should receive medical attention.

**SKIN:** If contact with hot product, cool the burn area by flushing with large amounts of water. Do not attempt to remove anything from the burn area or apply burn creams or ointments. Cover the burn area loosely with a sterile dressing, if available. Transport to the nearest medical facility for additional treatment. It should be noted this product contracts on cooling. Where a limb is encased, care should be taken to avoid the development of a tourniquet effect. In the event of this occurring the adhering product must be softened and/or split to prevent restriction of blood flow. All burns should receive medical attention.

**INGESTION:** Under normal conditions of use, this is not expected to be a primary route to exposure. Do not induce vomiting. Obtain immediate medical advice.

## 5. FIRE FIGHTING MEASURES:

**SUITABLE EXTINGUISHING MEDIA:** Foam, Dry Powder, Sand or Earth.

**UNSUITABLE EXTINGUISHING MEDIA:** High Pressure Water Jet.

**PROTECTIVE EQUIPMENT:** Use full protective clothing and self-contained breathing apparatus. Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES:

No problem at ambient temperature when product is solid. Avoid contact with spilled or released material.

**PROTECTIVE MEASURES:** Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate bafflers.

**CLEAN UP METHODS:** Local authorities should be advised if significant spillages cannot be contained.

**Small spillage:** Allow product to cool and solidify. Shovel into a suitable clearly marked container for disposal or reclamation in accordance with local regulations.

**Large spillage:** Prevent from spreading by making a barrier with sand, earth or other containment. Treat residues as for small spillage.

Manufactures & Suppliers of:  
Joint Sealants  
Bituminous Repair Compounds  
High Friction Surfacing  
Colour Coated Aggregates  
**The Complete Highway Service**

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Directors: J.S. Walker, J.G.R. Walker  
Company Reg No. 4041871

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**7. HANDLING & STORAGE:**

**HANDLING:** Skin contact with hot mastic asphalt should be avoided. For quality, health and safety reasons do not exceed the recommended storage and handling temperatures.

**TRANSPORTATION:** Hot mastic asphalt materials can only be transported in suitably heated and mechanically agitated mixer equipment. Mastic asphalt in block form may be transported loose, tipped in bulk carriers or palletised, banded or film wrapped. Palletised mastic materials, unless specifically packed and indicated, are unsuitable for crane handling.

**STORAGE:** Mastic asphalt in block form can be stored for unlimited periods, although it may distort in shape if subjected to warm ambient temperatures. Care should be taken when stacking palletised materials on uneven ground in warm conditions. Double stacking of pallets should be avoided.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION:**

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include adequate ventilation to control airborne concentrations below the exposure guidelines/limits. PPE should meet recommended national standards. Check PPE suppliers.

**SKIN PROTECTION:** Wear suitable long sleeved, full body overalls and safety boots at all times. Exposed skin must be covered due to risk from splashes.

**HAND PROTECTION:** Wear suitable gloves.

**FOOT PROTECTION:** Suitable safety footwear should be worn during the preparation of block materials for charging into site re-melting equipment.

**EYE PROTECTION:** Wear suitable goggles or face protection.

**INHALATION:** No respiratory protection is ordinarily required under normal conditions of use.

**SUBSTANCE:** Advise applicable when handling the product at elevated temperatures

**OCCUPATIONAL EXPOSURE STANDARD:**

|                           |   |
|---------------------------|---|
| Long-term exposure        | limit 8-hour TWA.                                       |
| Short-term exposure       | limited to 15 minutes.                                  |
| Limestone:                | 10 mg/rn3 total inhalable dust 4 mg/rn3 respirable dust |
| Asphalt, petroleum fumes: | 5 mg/rn3 10 mg/rn3                                      |
| Hydrogen sulphide:        | 14 mg/m3 21 mg/rn3                                      |



## 9. PHYSICAL & CHEMICAL PROPERTIES:

|                     |                |                          |                               |
|---------------------|----------------|--------------------------|-------------------------------|
| <b>APPEARANCE:</b>  | Black          | <b>FORM:</b>             | Solid at ambient temperatures |
| <b>ODOUR:</b>       | Characteristic | <b>SOFTENING POINT:</b>  | 80°C - 120°C                  |
| <b>FLASH POINT:</b> | >300°C         | <b>RELATIVE DENSITY:</b> | 2.4 (@15°C)                   |

## 10. STABILITY & REACTIVITY:

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Heating above maximum recommended storage and handling temperatures will cause binder degradation and evolution of vapours.

## 11. TOXICOLOGICAL INFORMATION:

Under normal conditions of use and exposure, no significant adverse health effects. Avoid vapours from heated materials to prevent exposure to potentially toxic/irritating fumes.

**INGESTION:** Practically non-toxic.

**EYES:** Expected to be slightly irritating. Hot product may cause severe eye burns and/or blindness.

**SKIN:** Exposure to vapour or mist may cause irritation to the respiratory system.

**CARCINOGENICITY:** Bitumens are not classified as dangerous under EC criteria. Bitumens contain low concentrations of Polycyclic Aromatic Compounds (PACs). In undiluted bitumens these PACs are not considered to be bio-available. Despite the known presence of PACs there is no evidence that exposure to undiluted bitumens or their flumes is harmful.

## 12. TRANSPORT INFORMATION:

**NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT**

## 13. DISPOSAL INFORMATION:

Recover or recycle if possible. Unused mastic asphalt in cold state is inert and if not recycled should be disposed of in accordance with local waste regulations.

## 14. ECOLOGICAL INFORMATION:

Avoid losses to the environment wherever possible. No known risks.

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| <b>MOBILITY:</b>             | Should not be allowed to enter drains or watercourses. |
| <b>BIODEGRADABILITY:</b>     | Non - Biodegradable.                                   |
| <b>ECOTOXICITY:</b>          | Not expected to be toxic to organisms.                 |
| <b>96 Hours LC50 (mg/L):</b> | Insoluble - Non-Toxic.                                 |

#### 15. REGULATORY INFORMATION:

**HAZARD LABEL:** Not classified as dangerous under the chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (chip 3)

#### 16. OTHER INFORMATION:

##### **PRODUCT USE:**

The provisions of Safety Data Sheets come under the REACH and CHIP regulations. This is in addition to the users of products supplied by Walker Sealants Limited should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health (COSHH).

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