



Armourscreed® AS50 BP04a & AB

Crack Repairs & Performance Joints



MATERIAL DATA SHEET Latest Revision - June 2024

1/3

1. GENERAL DESCRIPTION:

Armourscreed AS50 a stress absorbing inlay crack repair system designed to repair reflective and fatigue cracking in concrete and asphalt airfield surfaces. In service **AS50** exhibits excellent adhesive and compressive properties for improved resistance to wheel track deformation over a wide range of temperatures.

2. PRODUCT:

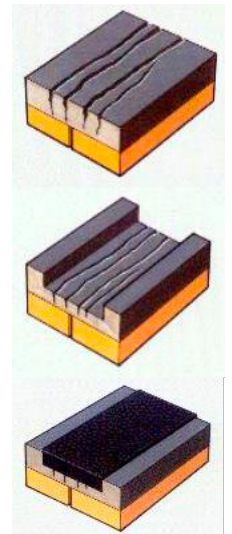
The **Armourscreed AS50** system is a polymer modified bituminous compound incorporating graded high PSV aggregates, rubber granules, fibre reinforcement, extender and adhesion agents.

USES:

- Inlay Repair System
- Concrete Repair System
- Stress Absorbing Membrane
- Kerb Sealing Applications

ADVANTAGES

- Prevents further deterioration
- Increases the pavements effective life
- Suitable for both asphalt and concrete surfaces
- Fast and effective installation minimises traffic disruption
- Suitable for application throughout the year
- Cost effective



3. PHYSICAL PROPERTIES:

DENSITY @ 25%:		1.80 ± 0.05
MINIMUM APPLICATION TEMPERATURE:		+ 3°C
PRODUCT POURING TEMPERATURE:		180 ± 10°C
MAXIMUM SAFE HEATING TEMPERATURE:		210°C
PENETRATION VALUE -	EN 13880-2:	15 ± 5 dmm
FLOW RESISTANCE -	EN 13880-5:	≤ 3mm
SOFTENING POINT -	EN 1427:	115 ± 10°C

4. SITE REFERENCES:

Armourscreed AS50 has been installed successfully on numerous civil and military airfields including:

RAF Lakenheath
RAF Yeovilton

RAF Mildenhall
Farnborough Airport

RAF Brize Norton
Stanstead Airport





Armourscreed® AS50 BP04a & AB

Crack Repairs & Performance Joints



MATERIAL DATA SHEET Latest Revision - June 2024

2/3

5. CHEMICAL RESISTANCE:

Bituminous products soften in contact with petroleum solvent and mineral oils. The product has good resistance to dilute acids and alkalis.

STORAGE: Store in a cool dry place preferably under cover and away from direct sunlight.

COMPOSITION: A polymer modified bituminous blend incorporating rubber granules, fibre reinforcement, high PSV aggregate, extender and adhesion agent.

PACKAGING: Multiply Silicone or Poly-silicone bags – 20 / 25Kgs Net.

6. SAFE HANDLING PRECAUTIONS:

- * **Do not exceed the maximum safe heating temperature.**
- * **Do not allow the hot material to come into contact with water as the product will react violently.**
- * **Always wear the recommended protective clothing - see below.**

7. ACUTE HEALTH HAZARDS & ADVICE:

Armourscreed AS500 presents no acute health hazard at ambient temperature. However, as these materials are normally handled at elevated temperatures when their physical state changes to a liquid, the bitumens present in these products give off fumes which are undesirable to inhale as very small quantities of **HYDROGEN SULPHIDE** may be present in the bitumen.

RECOMMENDED PROTECTIVE CLOTHING:

Overalls, Goggles/Visor, Armlet Gloves and Closed Safety Boots **AT ALL TIMES** when handling hot product.

INHALATION:

Inhalation of the vapours should be avoided.

INHALATION FIRST AID:

Remove the affected person to fresh air. If breathing has stopped administer artificial respiration. Give cardiac massage if necessary. If the person is breathing but unconscious place in the recovery position. Obtain medical assistance immediately.

SKIN CONTACT:

Bituminous products present no acute health hazards to the skin other than burning when handling at elevated temperatures.

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

Walker Sealants Limited
Manufacturing & Sales Division
Outland Head
Bradwell, Hope Valley
Derbyshire, S33 9JP
Tel: 01433 621 600



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

A member of the Walker Group of Companies



Armourscreed® AS50 BP04a & AB

Crack Repairs & Performance Joints



MATERIAL DATA SHEET Latest Revision - June 2024

3/3

SKIN CONTACT FIRST AID:

Flush the contaminated skin with cold water. DO NOT ATTEMPT TO REMOVE THE BITUMEN. Cover the burn with a sterile dressing. Do not apply any medication to the affected part. Obtain medical attention immediately.

EYE CONTACT:

Contact with fumes may cause irritation and redness.

EYE CONTACT FIRST AID:

Irrigate with copious amounts of water for 10/20 minutes and seek medical advice immediately.

PRECAUTIONS:

Avoid contact with the skin by use of suitable protective clothing.

TRANSPORTATION:

Not classified as dangerous for transportation.

FURTHER INFORMATION:

Additional information on the product is given in the system Safety Data Sheet and Installation Method Statement or by contacting Walker Sealants Ltd.



This data is provided for your information and your attention is drawn to the appropriate package labelling and the product safety data sheet. Users of the product must ensure its proper use in accordance with good industrial practices, proper medical advice and any official or Government notice or publication. This information is provided gratuitously independent of any sale of the product and does not form part of any contract or sale nor does it constitute any representation, warranty or condition of merchantability or fitness for any purpose.
