



CONSTRUCTION CHEMISTRY

Expanproof* JFR System

Emulsified, polymer modified Jet fuel resistant system for asphalt pavement, runways, aprons and taxiways

Air fields asphalt pavement becomes more brittle after exposure to ultra-violet sunlight, hot and cold weather and exposure of jet fuel, traffic wears asphalt-off of the pavement surface and initiates micro-damage of fatigue cracking.

A thin layer of **Expanproof* JFR** system will restore the asphalt pavement, makes it fuel resistant, fill micro cracks, enrich dry pavement and prolongs the asphalt pavement life. Apply single coat of Expanproof JFR Primer than a layer of Expanproof JFR Seal Coat, and a top coat with Expanproof JFR Top Coat.

Advantages

- Resistance against jet fuel
- Excellent UV resistant
- Seal and waterproof the asphalt surface
- Anti-slip
- Tough film
- Fast application.
- Good adhesion to substrates
- A least expensive pavement preservation treatment to prolong pavement life and delay major maintenance or reconstruction.

Description

Expanproof* JFR System is consist of **Expanproof JFR Primer** and **Expanproof JFR Top Coat**, system based on polymer modified emulsion, especially designed for Airfields as fuel resistant seal coat for asphalt pavement.

Repairing of Asphalt Pavement

Separate asphalt pavement repairing system are available as per site requirements and to meet the specific repair job, for technical service and on-site assistance contact Fospak representative for advise and selection of selection of right product.

Properties of Expanproof* JFR Primer

Appearance	: Black liquid
Solid Content	: 30% ± 2
Setting time at 30 °C	: Initial set 2 hours
Allow for seal coat 30 °C	: Minimum 4 - 6 hours

Properties of Expanproof* JFR Seal Coat

Appearance	: Black liquid
Solid Content	: 65% ± 2
Setting time at 30 °C	: Initial set 30 minutes
Allow for top coat at 30 °C	: Minimum 6 - 8 hours
Fuel resistance	: Excellent

Properties of Expanproof* JFR Top Coat

Appearance	: Black liquid
Solid Content	: 30% ± 2
Setting time at 30 °C	: Initial set 2 hours
Allow for traffic at 30 °C	: Minimum 4 - 6 hours

Surface Preparation

Immediately before applying a seal coat, the pavement surface must be cleaned with a road sweeper, power broom, to remove dust, dirt, and debris, and clean with air compressor, stain of oil/grease must be remove with Fospak Solvent 102, in case of cleaning with water-jet, allow to completely dry prior to the application of **Expanproof* JFR System**.

Application of Expanproof JFR Primer

Dilute **Expanproof JFR Primer** with water 1:1 ratio and apply with spraying machine at the rate of 4 – 5 m² / Kg.

Application of Expanproof JFR Seal Coat

Mix **Expanproof JFR Seal Coat** (Liquid and sand) properly and spread the properly mixed material at the rate of 1.50 – 1.75 Kg. / sq.mt. on primed surface with squeegee and allow to dry for 6 – 8 hours.

Apply top coat of **Expanproof JFR Top Coat** on cured surface of **Expanproof JFR Seal Coat**, at the rate of 4 – 5 m² / Kg. and allow to cure for 12 – 24 hours prior to open traffic.

Precaution / Limitation

Expanproof* JFR System shall not be applied when the ambient temperature is expected to drop below 10 °C at any time within a 24 hour period after application or when rain is imminent.

Expanproof* JFR System may be harmful to growing plants, since like any other oil, it seals pores and interferes with intake of carbon dioxide. Reasonable care should be taken to prevent spray on plants. Also, since the product is black, reasonable care should be taken to prevent spraying on fences, and other areas where dark stains are undesirable.

Avoid skin and eye contact, in case of contact, use plenty of water and seek medical advice, use the appropriate means of self protection.

Traffic should be kept off to the treated surfaces until the product has completely dry, there should be no pickup of product on shoes or on tires.

Expanproof* JFR System does fall into the hazard classifications of current regulations; it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately do not induce vomiting.

Storage

Expanproof* JFR Prime, Expanproof JFR Seal Coat and Expanproof* JFR Top Coat has a shelf life of 6 months provided the temperature is kept within the range of 5°C to 50°C. Should the temperature of the product fall outside this range then contact your local office for advice.

Health and safety

For further information consult the Material Safety Data Sheet available for this product.

Fire

Expanproof* JFR System is water base and non flammable.

Estimating – packaging

Expanproof* JFR Prime	: 30 & 200 Kg. Drum.
Expanproof* JFR Seal Coat	: 16 or 20 Kg. Pack.
Expanproof Top Coat	: 30 & 200 Kg. Drum

* Denotes the trademark registered

REGIONAL SALES OFFICES IN PAKISTAN:

Fospak (Pvt) Ltd.

Head Office

702, Business Avenue,
Block-6, PECHS,
Shahra-e-Faisal,
Karachi, Pakistan
Tel # +92-21-34528477, 34529859
Fax # +92-21-34522436
Email info.khi@fospak.com.pk

Lahore Sales Office

2nd Floor Sarwar Shaheed Plaza,
Cavalry Ground,
Main Boulevard,
Lahore Cantt, Lahore.
Tel # +92-42-36675773
Fax # +92-42-36675838
Email info.lhr@fospak.com.pk

Rawalpindi Sales Office

1st Floor, Al-Harmin Plaza,
Main Murree Road,
Rawalpindi
Tel # +92-51-4575746
Fax # +92-51-9290590
Email info.isb@fospak.com.pk

Important note

Fospak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fospak endeavours to ensure that the technical information on this data sheet is correct at the time of printing, it is the customer's responsibility to satisfy himself, by checking with the company that this information is still current at the time of use, that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended. Because Fospak has no control over the conditions of use of its products, all recommendations or suggestions regarding the use of these products are made without guarantee.